

Members of, and Advisers to, the International Health Regulations (2005) Emergency Committee on Yellow Fever

Chair of the Emergency Committee on Yellow Fever

Professor Oyewale Tomori

Professor Oyewale Tomori DVM, PhD, Vice-Chancellor of Redeemer's University, Nigeria



He is a Fellow of the Academy of Science of Nigeria, a Fellow of the College of Veterinary Surgeons of Nigeria and Fellow of the Royal College of Pathologists of the United Kingdom.

Professor Tomori received his Doctor of Veterinary Medicine (DVM) degree from the Ahmadu Bello University, Zaria and his PhD in Virology of the University of Ibadan.

He became the Head of the Department of Virology at the University of Ibadan in 1984, leading research efforts that investigated viral infections, such as Yellow Fever in various African countries. In 1994, he was appointed as the Regional Virologist for the WHO Africa Region.

Professor Tomori serves on several advisory bodies including the Board of the BioVaccines Limited in Nigeria, the WHO Africa Regional Polio Certification Committee, the WHO Eastern

Mediterranean Regional Polio Certification Committee, the WHO Advisory Committee on Variola Virus Research, the WHO Polio Research Committee, the WHO Group of Experts on Yellow Fever Disease and the International Steering Committee of the International Consortium on Anti-Virals, ICAV, Canada. He is a Member of the scientific and technical advisory group on geographical yellow fever risk mapping (GRYF).

Professor Tomori's research interests include a wide range of human viruses, and zoonotic and veterinary viruses including the Yellow fever virus, the Lassa fever virus, the poliomyelitis virus, the measles virus, and the Ebola virus. Professor Tomori is recognized as one of Africa's frontline Lassa fever researchers.

He received in 2002, the Nigerian National Order of Merit (NNOM), the country's highest award for academic and intellectual attainment and national development. In 1990 he was awarded the Nigeria National Ministry of Science and Technology Merit Award for excellence in medical research.

Member of the Emergency Committee on Yellow Fever

Dr Jarbas Barbosa da Silva Jr.

Dr Jarbas Barbosa da Silva Jr, President, National Agency of Health Surveillance, Brazil



Dr Jarbas Barbosa graduated in Medicine and specialized in Public Health and Epidemiology. He holds a Master's Degree in Medical Sciences and a Doctor's Degree (PhD) in Public Health at the State University of Campinas/São Paulo (Unicamp). He has held several positions at the Brazilian National Health System and also health international organisms, having been the Municipal Health Secretary in Olinda (Pernambuco State), and the State Health Secretary in Pernambuco. He was a Director of the National Epidemiology Center and Vice-Minister of the Health Surveillance Secretariat of the Health Ministry, where he was responsible for surveillance actions, prevention and control of communicable and non-communicable diseases, health information, and health promotion.

In 2006, he was the Executive Secretary (Deputy Minister) of the Ministry. In 2007, he was nominated Manager of Health Surveillance, Prevention and Control of Diseases at the Pan American Health Organization – PAHO/AMRO, in Washington-DC, where he remained until 2010. He returned as Vice-Minister of Health Surveillance in 2011, where he worked until the beginning of this year, when he was named Vice-Minister of Science, Technology, and Strategic Supplies of the Ministry of Health, Brazil.

Dr Jarbas Barbosa has been the Brazilian representative at the WHO Executive Board since May 2013 and at the PAHO/AMRO Executive Committee, from September 2013 to September 2014, when he was the President of this directive organism. He has been part of several Brazilian official delegations at WHO and PAHO directive organisms. He has been a member of the Stop-TB Partnership Board since 2011, of several WHO Advisory Groups for the Pandemic Influenza Preparedness Framework Advisory Group since 2011, and of the Expert Advisory Group on reform of WHO's work in outbreaks and emergencies with health consequences since 2015.

He is also the co-chair of the Global Coordination Mechanism on the Prevention and Control of Non-communicable Diseases (GCM/NCD) working group on how to realize governments' commitments to engage with the private sector.

Dr Jarbas Barbosa is the author and co-author of over 70 publications in the areas of public health, management of health systems, epidemiology applied to health services, health surveillance, and health scenario analysis.

Dr Kalpana Baruah

Dr Kalpana Baruah, Joint Director, National Vector Borne Disease Control Programme, Ministry of Health and Family Welfare, New Delhi, India



Dr Kalpana Baruah is the Joint Director of the National Vector Borne Disease Control Programme, Directorate General of Health Services, Ministry of Health and Family Welfare in India. Dr Baruah is also the Country Focal Point for dengue and chikungunya; Member of the WHO ad-hoc advisory group on aircraft disinsection for controlling the international spread of vector-borne diseases (2016), Member of WHO Scientific and Technical Advisory Group on Geographical Yellow Fever Risk Mapping (2015 & 2016); Member for the Peer Review of WHO SEARO comprehensive guidelines on Dengue (2010); Member of the Expert Group for the establishment and strengthening of Public Health Laboratories in India (2011); and Member of the Task Force for the prevention and control of Dengue in Delhi. She fostered the concept of observing 16th May as National Dengue

Day in India for gearing up pre-monsoon activities. Dr Baruah is involved in monitoring Aedes breeding in international airports and seaports in India according to the International Health Regulations (IHR).

Dr Baruah received a PhD from Gauhati University, Guwahati, Assam State, in India. She has more than 29 years of experience in various national programmes such as the National Vector Borne Disease Control Programme, the National Centre for Disease Control, and the National Institute of Malarial Research. She was instrumental in developing the Sentinel Surveillance network for Dengue and Chikungunya in the National Programme.

Dr Baruah has published several research papers in national and international journals, articles, and technical guidelines notes on vector borne diseases specially dengue, chikungunya and malaria.

Dr Baruah is a Member of the International Health Regulations (2005) Emergency Committee on Zika virus and observed increase in neurological disorders and neonatal malformations.

Adviser to the Emergency Committee on Yellow Fever

Dr Ansa Jordaan

Dr Ansa Jordaan, Chief, Aviation Medicine Section, International Civil Aviation Organization, Montreal, Canada



Dr Ansa Jordaan is currently the Chief of the Aviation Medicine Section at the International Civil Aviation Organization (ICAO). She is also the Manager of the “Collaborative Arrangement for the Prevention and Management of Public Health Events” (CAPSCA) programme in Civil Aviation . CAPSCA is a global multi-partner programme (ICAO, WHO, CDC, aviation industry and other partners) providing assistance to international airports and States to help build capacity to manage public health emergencies.

Previously, Dr Jordaan was the Medical Director of Occupational Health at International SOS, where she was responsible for the oversight of Emergency Medical clinics and occupational Health clinics of International SOS corporate clients in remote areas in sub-Saharan African countries. In this position she also facilitated air ambulance transport of patients from remote clinics to specialized medical centres of care.

Prior to International SOS she was employed by the Life Occupational Health Hospital group as the Project Director for Transnet Freight Rail in South Africa, reviewing the client’s health policies based on occupational risk assessments and compliance audits and assuming accountability for quality management of clinic operations.

From 2007 to 2011 she was the Medical Director of South African Airways, responsible for planning and managing all medical related aspects of the company’s operations including strategic management, on-board medical care and public health emergencies.

Prior to this she was an Independent Consultant for 4 years in the aviation industry, consulting to private and corporate clients on various aspects related to aviation medicine.

In 1999 she established the Civil Aviation Medicine department in the South African Civil Aviation Authority, after having worked in the military medical aviation industry for several years. She remained at the CAA as the Senior Manager of Civil Aviation Medicine until 2003 and was responsible for developing civil aviation medical standards and ensuring industry compliance with national regulations and international standards.

Other current professional activities include memberships in the Aerospace Medical Association, International Academy of Aviation and Space Medicine Faculty, South African Society of Aerospace and Environmental Medicine and the South African Society of Occupational Medicine.

Adviser to the Emergency Committee on Yellow Fever

Dr Thomas P. Monath, MD

Chief Scientific and Chief Operating Officer of BioProtection Systems, Massachusetts, USA



Dr Thomas Monath, is currently working with BioProtection Systems, a subsidiary of NewLink Genetics Corp where he is leading the development of the most advanced Ebola virus vaccine in partnership with Merck.

He has over 25 years operating experience in the healthcare biotechnology industry, and is a former partner in the Pandemic and Biodefense Fund, Kleiner Perkins Caufield & Byers. Before joining NewLink Genetics, Dr Monath was Chief Medical Officer for Hookipa Biotech AG, Juvaris Inc. and Xcellerex Inc.

Between 1992 and 2006, he was Chief Scientific Officer and Executive Director of Acambis Inc. prior to its acquisition by Sanofi Pasteur, where he directed Research and Development on vaccines against dengue, Japanese encephalitis, West Nile, yellow fever, Clostridium difficile, and smallpox. Four of the vaccines he

developed are now licensed, in registration or in Phase III trials. In addition to Vaxxinate Inc., he currently serves on the Boards of Directors of Juvaris Inc., Sentinext Plc, RapidMicro Biosystems Inc., and US Biologic Inc.

Before joining industry, Dr Monath served in the uniformed services of the U.S. Army and U.S. Public Health Service for 24 years prior to retiring as a Colonel. He was Director, Division of Vector-Borne Viral Diseases, Centers for Disease Control and Prevention and Chief of the Virology Division, U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID). He is on the editorial board of five scientific journals and has published approximately 400 papers and edited six books on viruses and on vaccine development.

Dr Monath received his undergraduate degree and MD from Harvard. He received the Nathaniel A. Young Award (1984), the Richard M. Taylor Award (1996), and the Walter Reed Medal (2002) from the American Society of Tropical Medicine & Hygiene (ASTMH) and was President of ASTMH (2004-2005). He has served on numerous government and international committees on infectious diseases, biosecurity, WHO expert committees and the National Vaccines Advisory Committee (USA).

Adviser to the Emergency Committee on Yellow Fever

Dr Mohamed Nour

Dr Mohamed Nour, Public Health Specialist, epidemiologist in Communicable Disease and expert in Emergency Risk communication at the Health Protection and Communicable Disease Control (HP & CDC), Ministry of Public Health, Qatar



Dr Nour is currently responsible for supporting outbreak investigation and response: planning, implementation, monitoring and evaluation of early preparedness and response (EPR) interventions, including emergency risk communication and community mobilization. Since June 2015 Dr Mohamed Nour has been a member of the WHO Expert Group developing the first WHO Guidelines on Emergency Risk communications and a Member of the WHO Emergency Communication Network. Additional responsibilities at the Ministry of Public Health, Qatar are supporting capacity building and research development in areas of emergency risk communication and health promotion. He is also the manager for the Food Borne Disease Program at the Health Protection and Communicable Disease Control (HP & CDC).

Previously he volunteered as a consultant with the international non-governmental organization (INGO) 'Physicians Across Continents', managing a communicable disease project focussing on Syrian IDPs and carrying out strategic planning and capacity building within the health cluster.

In his own country of Sudan, he had a long assignment as a national consultant to develop the Sudan Plan of Action for Emergency Risk Communication for the Emergency Department at the Federal Ministry of Health. He has also worked as the National Coordinator for the implementation of the International Health Regulations (IHR 2005) for the Federal Ministry of Health and the line ministries. As Deputy director, Health Promotion Directorate, within the Federal Ministry of Health, Sudan (2009-2010), he was the national coordinator for H1N1 pandemic Early Preparedness and Response (EPR) action.

His experience covers an extensive range of outbreak and pandemic events including; Yellow Fever, Dengue Fever, Rift Valley Fever, H1N1, Diphtheria, Cholera, diarrhoea, bacterial meningitis and scabies.

He is currently a guest lecturer at School of Public Health-Qatar University, focal person for the intern students and a Member of the Advisory Committee for the College of the North Atlantic-Qatar (Environmental Health and occupational safety program). He has produced conference posters and papers focusing on the cross-roads between outbreaks and risk communication.

Member of the Emergency Committee on Yellow Fever

Professor Helen Rees

Professor Helen Rees GCOB OBE, Executive Director, Wits Reproductive Health and HIV Institute, University of Witwatersrand, Johannesburg, South Africa



Professor Helen Rees is the Executive Director of the Wits Reproductive Health and HIV Institute of the University of Witwatersrand (Wits) in Johannesburg where she is also a personal Professor in the Department of Obstetrics and Gynaecology and Co-Director of the newly established Wits University's Flagship Programme on Vaccinology (ALIVE). She is an Honorary Professor in the Department of Clinical Research at the London School of Hygiene and Tropical Medicine, an Honorary Fellow of Cambridge University's Murray Edwards College and an alumnus of Harvard Business School. She is the Chairperson of the South African Medicines Control Council.

Professor Rees has served on and chaired many national and global scientific committees and boards. She was the Chair of the

WHO Strategic Advisory Group of Experts on Immunisation (SAGE) and she now chairs the WHO African Regional Technical Advisory Group on Immunisation (RITAG).

Since 2014, Professor Rees has been the Chair of the Emergency Committee convened by the WHO Director-General under the International Health Regulations (2005) regarding the international spread of poliovirus.

From 2015-2016 she was a member of the Review Committee on the Role of the International Health Regulations (2005) in the Ebola Outbreak and Response tasked with making recommendations about steps required to improve the global response to public health emergencies. She was the Chair of the WHO SAGE Committee on the Use of Vaccines in Humanitarian Emergencies and is now the Co-Chair of the WHO SAGE Committee on Ebola vaccines as well as chairing the WHO's Maternal Influenza Immunisation Advisory Review Committee. She is a member of the WHO SAGE Committee evaluating progress towards the Decade of Vaccines, and a member of the WHO SAGE Measles and Rubella Working Group.

Professor Rees has won many international and national awards for her contribution to global health and to science including in 2001 being made an Officer of the British Empire by Queen Elizabeth II for her contribution to global health. In 2016 she was awarded the South African National Order of the Baobab for her contribution to medicine and to medical research.

Member of the Emergency Committee on Yellow Fever

Dr Amadou Alpha Sall

Dr Amadou Alpha Sall, Director of the WHO Collaborating Center for arboviruses and viral hemorrhagic fevers, Institut Pasteur de Dakar, Senegal



Dr Amadou A. Sall is a virologist and has a PhD in Public Health. He received his scientific education at Universities Paul Sabatier at Toulouse, Paris Orsay and Pierre et Marie Curie in France. He has also visited several laboratories for his training including Institut Pasteur in Paris, France; Institute of Virology and environmental medicine in Oxford, United Kingdom of Great Britain and Northern Ireland; Center for tropical disease at the University of Texas Medical Branch at Galveston, United States of America (USA) and the Albert Einstein College of Medicine of Yeshiva University, New York, USA.

From 2002 to 2004, Dr Sall worked in Cambodia as the head of viral hepatitis laboratory at the Institut Pasteur Cambodia. From 2010 to 2011, he worked as a Visiting Research Scientist at the Center for Infection and Immunity at the Mailman School of

Public Health at Columbia University, New York, USA, on pathogen discovery.

He is currently the head of the Arboviruses and viral hemorrhagic fever unit, Director of the WHO Collaborating Center and Scientific Director of the Institut Pasteur de Dakar, Senegal, which belongs to the Institut Pasteur International Network. His research focuses primarily on diagnostics, ecology and evolution of arboviruses and viral hemorrhagic fevers. Dr Sall has published more than 100 papers and book chapters and has given more than 150 scientific communications at international meetings. Dr Sall is a member of several WHO expert groups, including the Global Outbreak and Alert Response Network and the Strategic Advisory Group of Experts on Immunization and the scientific and technical advisory group on geographical yellow fever risk mapping (GRYF). He is also a Member of the International Health Regulations (2005) Emergency Committee on Zika virus and observed increase in neurological disorders and neonatal malformations.

Dr Sall has previously worked as a consultant for the World Organisation for Animal Health.

Member of the Emergency Committee on Yellow Fever

Dr Jennifer Erin Staples

Dr Jennifer Erin Staples, Medical Epidemiologist, Arboviral Disease Branch, Division of Vector-borne Diseases, Centers for Disease Control and Prevention, USA



Dr J. Erin Staples, MD, PhD, is a medical epidemiologist with the Arboviral Diseases Branch, Division of Vector-Borne Diseases at the Centers for Disease Control and Prevention (CDC), National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), USA.

She is responsible for a wide variety of arboviral diseases, focusing particularly on the surveillance, epidemiology, outbreak response, clinical management, and prevention of yellow fever, chikungunya, Zika, blood and transplant associated arboviral infections, and tick-borne arboviral diseases. Her past work experience includes being an epidemiologist in bacterial zoonotic diseases at the CDC, clinical team lead for vaccine development in industry, and a physician in the field of pediatric infectious diseases.

Dr Staples has both a medical degree and a doctoral degree in microbiology and immunology and she has published on a variety of subjects.

She is a member of the WHO scientific and technical advisory group on geographical yellow fever risk mapping (GRYF), WHO yellow fever partnership working group, and a member the International Health Regulations (2005) Emergency Committee on Zika virus and observed increase in neurological disorders and neonatal malformations. She has provided technical expertise to WHO on a number of yellow fever outbreak investigations, yellow fever vaccine policy, and the burden of yellow fever disease in Africa.

Member of the Emergency Committee on Yellow Fever

Dr Denise Werker

Dr Denise Werker, Deputy Chief Medical Health Officer, Government of Saskatchewan, Ministry of Health, Canada



Dr Denise Werker is currently the Deputy Chief Medical Health Officer for the Province of Saskatchewan and a member of the WHO Roster of Experts for the International Health Regulations. Based in the provincial Ministry of Health, prevention and control of communicable diseases is one of her key responsibilities.

Her public health practice spans all levels of government in Canada and international governmental organizations. She has practiced as a family doctor in rural and urban communities in British Columbia, and served on various committees and boards of professional and non-profit organizations. In 2015 she was a member of the Advisory Group on Reform of WHO's Work in Outbreaks and Emergencies with Health and Humanitarian Consequences.

In the federal government, Dr Werker held positions in the Public Health Agency of Canada, Department of National Defence and Health Canada. While in the federal government, Dr Werker played a lead role in developing a federal/provincial/territorial public health information sharing agreement, supervised the public health training of health professionals, coordinated many national outbreak investigations, and enabled field epidemiologists to participate in international efforts to eradicate polio and to control outbreaks, including the outbreak of Ebola virus disease in Uganda in 2000/2001.

From 2001 to 2006, Dr Werker was a medical officer at the World Health Organization in Geneva, where she had an essential role in the design and implementation of global surveillance for the multi-country outbreaks of severe acute respiratory syndrome (SARS) in 2003 and of avian influenza in 2004. In addition, she participated in international responses to outbreaks of international concern, such as the outbreak of Marburg virus disease in Angola in 2005, and provided technical input to the revision of the International Health Regulations.

Dr Werker completed her undergraduate degree at the University of Toronto, her medical degree at the University of Ottawa, and her post-graduate degree as well as her Public Health and Preventive Medicine specialty training at the University of British Columbia.

Member of the Emergency Committee on Yellow Fever

Dr Jianning Zheng

Dr Jianning Zheng, Director of Yong Port Office, Ningbo Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China



Dr Zheng is a member of National Quarantine Expert Committee of the General Administration of Quality Supervision, Inspection and Quarantine of P. R. C. (AQSIQ); a member of the Expert Group for Implementation of International Health Regulation (2005), and Advisory Committee on Public Health Emergence Response of the National Health and Family Planning Commission in China; and a member of the Scientific Program Committee of the 10th Asia Pacific Travel Health Conference (2013). He has also worked as a consultant for the World Health Organization in the Western Pacific Region.

As a member of the standard committee on quarantine of the Certification and Accreditation Administration of P. R. C., Dr Zheng has served as Vice-Chairman since 2011, facilitating inspection and quarantine industry standardization at points of entry in China. As a member of the science and technology committee of AQSIQ, Dr Zheng has served as Vice-Chairman of quarantine branch since 2012, promoting research on inspection and detection skills, surveillance of infectious diseases and management at points of entry in China.

He has more than 29 years of experience in various national points of entry programmes such as the National emergency response for SARS and Pandemic Influenza A (H1N1) at points of entry, the National Vector surveillance and Control Programme at points of entry, the National Core Capacity Building at Points of entry under the International Health Regulations (2005), and fumigation application research within sulfuryl fluoride at points of entry.

He has published 64 scientific papers in national and international journals, 22 inspection and quarantine industry standards, and is the author of 16 books published in China.

He has won the Order of Merit in earthquake relief, Advanced worker of science and technology by AQSIQ in China; Advanced worker of standardization work by the Certification and Accreditation Administration of P. R. C. and the Award of Merit in Public Health by China Preventive Medicine Association (2013).