
WHO Guideline Development Group – Contact Tracing Guideline

Full name as commonly used in professional work	Aasim Ahmad
Institutional affiliation(s) (current and in the prior four years)	Honorary Senior lecture Bioethics at Aga Khan University and Dean & Chief nephrologist The Kidney Centre Post Graduate Training Institute Karachi, Pakistan
Academic degrees	MB.;BS; MHSc (Bioethics); Fellow of College of Physician & Surgeons Pakistan
City and country of primary residence	Karachi, the Islamic Republic of Pakistan
Brief summary of education, skills, experience as it relates to the guideline under development	Professor Aasim Ahmad Is the Dean and Chief Nephrologist at the Kidney centre Post Graduate Training Institute in Karachi, Pakistan. He is also an Honorary Senior Lecturer in Bioethics and Chairperson of the Bioethics group of Aga Khan University in Karachi, Pakistan. He is a Board member of the International Association of Bioethics. He is a member of the WHO COVID-19 Ethics and Governance Working Group and was the primary author of the WHO document “Guidance for research ethics committees for rapid review of research during public health emergencies”, as well as the primary author of initial Ethical Guidelines for Collection, Usage, Storage, and Export of Human Biological Materials (HBM) made for the National Bioethics Committee of Pakistan.
Full name as commonly used in professional work	Alexandra Woodward
Institutional affiliation(s) (current and in the prior four years)	Current: The Association of State and Territorial Health Officials; Previous (2017-2022): The Global Emerging Infections Surveillance program, the United States of America Department of Defense
Academic degrees	PhD; MPH; BA, Public Health, Political Science, French, University of Rochester
City and country of primary residence	Silver Spring, Maryland, the United States of America
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Alexandra Woodward is an infectious disease epidemiologist, global health security specialist, and data modernization expert with over 12 years of experience in public health. Her expertise includes leading the enhancement of U.S. and global disease surveillance and epidemiologic capabilities and strategizing and advising on surveillance, data modernization, and vaccine policies. She supported the Global Outbreak and Alert Response Network (GOARN) in 2020-2021 to develop and implement contact tracing capacities, such as Go.Data, in several SEARO countries. Through her recent DrPH dissertation work, Dr Woodward has conducted extensive research on contact tracing capacities and capabilities to be leveraged by public health institutions during outbreaks and pandemics, and she currently works to improve public health data exchange for different public health uses, such as contact tracing, through her work with The Association of State and Territorial Health Officials.

Full name as commonly used in professional work	Anja (AJM) Schreijer
Institutional affiliation(s) (current and in the prior four years)	Medical director Pandemic and Disaster Preparedness Center, Rotterdam the Netherlands (2022-current) & Head Infectious Disease Control Public Health Service Amsterdam ; Chair of the National Consultation on Infectious Disease Control.
Academic degrees	MD; PhD; MPH
City and country of primary residence	Amsterdam, the Kingdom of the Netherlands
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Anja Schreijer is a medical specialist in infectious disease control who has worked for various national and international governments and NGOs. During the Covid-19 pandemic, she chaired the National Consultation on Infectious Disease Control, which was responsible for making scientifically sound agreements about the medical content for nationally uniform control of infectious diseases and the promoting and monitoring the quality of infectious disease control. In addition, she was a permanent member of the national outbreak management team that advises the Netherlands' government on pandemic control. Dr Schreijer is currently working as Medical Director of the Pandemic & Disaster Preparedness Center in Rotterdam, affiliated with the Erasmus Medical Center.
Full name as commonly used in professional work	Anna Vassall
Institutional affiliation(s) (current and in the prior four years)	London School of Hygiene and Tropical Medicine, Amsterdam Institute for Global Health and Development
Academic degrees	PhD
City and country of primary residence	Amsterdam, the Kingdom of the Netherlands
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Anna Vassall is the Executive Director of AIGHD, a Professor of Health Economics at the London School of Hygiene and Tropical Medicine, and a Joep Lange Chair. She is a health economist with over thirty years of experience in economic analysis and research in low- and middle- income countries. Her research focuses on economic evaluation, priority setting, health systems research and the evidence informed policy. She has extensive experience supporting national health planning and priority setting, aid effectiveness, and cost-effectiveness analysis across a wide range of countries. Previously she has led a wide range of influential economic analyses on focussed on infectious diseases. She has sat on the Strategic and Technical Advisory Group (STAG) for the WHO's Global TB Programme (STAG-TB) and currently sits STAG Infectious Hazards (STAG-IH), alongside several policy and scientific advisory boards related to priority setting, health technology assessment, health economics and modelling.

Full name as commonly used in professional work	Aristide Rondouba Dionkounda
Institutional affiliation(s) (current and in the prior four years)	Since January 2023: Regional Manager Technical, AFROHUN (Africa One Health University Network) international network of public health, veterinary medicine, pathobiology, environmental sciences, medicine and global health institutions of higher education located in 19 universities in 10 countries in Africa/USAID, Uganda, Côte d'Ivoire From Jun 2019 to November 2022: Country coordinator for the Tackling Deadly Disease in Africa Program (TDDA), DAI Global Health/, Abidjan, Côte d'Ivoire (FCDO/UKAID)
Academic degrees	MD; Post Graduate University Diploma, Quality, Evaluation and Certification: application to health sector and medical and social
City and country of primary residence	Abidjan, the Republic of Côte d'Ivoire
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Dionkounda contributed to the development of policy documents, standards and procedures in the health domain. In the context of the fight against HIV, as an HIV technical advisor at Johns Hopkins Center for Communication Program (CCP) in Côte d'Ivoire he developed modules on index testing for contact tracing of infected individuals. He developed tools (register and follow-up form) for health staff and Civil Society Organisations/NGOs for case finding in the community as well as scripts for home visits and phone calls. Experience has shown that stigma remains a real challenge in the African context, hence the training of community workers on contact tracing and follow-up techniques. For Côte d'Ivoire, he contributed to the development of the contact tracing national guide within the fight against COVID-19 framework and their management in a multidisciplinary context, as well as the development of follow-up tools. As Country Coordinator for the control of deadly diseases in Côte d'Ivoire, he initiated a consultation on the follow-up of contacts within the framework of the COVID-19 pandemic between Côte d'Ivoire and Guinea, notably on the issue of travelers, quarantine, management of contacts, the role of communities, and information management.
Full name as commonly used in professional work	Claudio A. Méndez
Institutional affiliation(s) (current and in the prior four years)	Instituto de Salud Pública, Facultad de Medicina, Universidad Austral de Chile
Academic degrees	BMid; MPH
City and country of primary residence	Valdivia, the Republic of Chile
Brief summary of education, skills, experience as it relates to the guideline under development	Professor Claudio A. Méndez is the director of the Instituto de Salud Pública at Universidad Austral de Chile. Currently, he is a board director of the Chilean Society of Public Health. He has carried out research, teaching and outreach in health systems, health policies, health services, and global health. Through his research lines, he has participated in projects and teams from the Pan American Health Organization and the World Health Organization. Likewise, he has participated in book chapters and published in international and national scientific journals on his research field. He is a member of the World Health Organization's

	Strategical and Technical Advisory Group on the Prevention and Control of Noncommunicable Diseases.
Full name as commonly used in professional work	Hilary Bower
Institutional affiliation(s) (current and in the prior four years)	UK Public Health Rapid Support Team and, London School of Hygiene & Tropical Medicine
Academic degrees	PhD; MScEpi; MScPH
City and country of primary residence	London, the United Kingdom of Great Britain and Northern Ireland
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Hilary Bower is an epidemiologist, public health professional and researcher specialising in emerging infectious diseases. She has a PhD in Infectious Disease Epidemiology focussed on Ebola transmission dynamics, a MSc in Epidemiology and an MSc in Public Health for Low and Middle Income Countries. As a senior member of the UK Public Health Rapid Support Team and previously a medical coordinator and epidemiologist with Médecins Sans Frontières, she has a broad operational experience in outbreak response in multiple countries and of contact tracing particularly in epidemics of Ebola (West Africa, DRC Equateur and the East), Lassa Fever (Nigeria and Sierra Leone), Plague (Madagascar) measles, cholera and COVID-19, in collaboration with ministries of health, communities and other stake holders. She was a technical reviewer for contact-tracing guidance for COVID-19 in Africa with Africa CDC, and has supported development of evidence-based guidelines in areas of outbreak surveillance, detection and control. She was a member of the Technical Working Group for the recently published WHO/GOARN EWARN in Emergencies guideline. Through her operational and research work, she has an essential understanding of the importance and challenge of building the climate of trust and confidence with communities that is essential to effective contact tracing.
Full name as commonly used in professional work	Iya Saidou Conde
Institutional affiliation(s) (current and in the prior four years)	National Liaison Advocate with Mcking consulting, supported by the Bill and Melinda Gates Foundation in Guinea; The World Bank Group; IQVIA – Gambia and Guinea-Bissau;
Academic degrees	MD; MSc Control of Infectious Diseases
City and country of primary residence	Conakry, the Republic of Guinea
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Conde has extensive experience in technical writing, capacity building, field-based research studies, and evaluation of health programs with a substantial knowledge and a unique background in emergency preparedness and response strategies in multicultural settings. His contributions as national consultant for WHO in the response to the unprecedented West African Ebola outbreak, where he transitioned from Ebola contact tracer to Field coordination, have been acknowledged by the Guinean Ministry of Health and the WHO country office. Dr Conde carries a mix of field experience and technical expertise, with an in-depth understanding of various aspects of Immunization programs across Africa – East, West and Central African countries including service delivery, program management, decision making processes, and technical support.

Full name as commonly used in professional work	Joren Raymenants
Institutional affiliation(s) (current and in the prior four years)	Katholieke Universiteit Leuven, Universitair Ziekenhuis Leuven, Melbourne University, Guy's and Saint Thomas NHS trust, Kings college London
Academic degrees	MD; MSHCM
City and country of primary residence	Melbourne, Australia
Brief summary of education, skills, experience as it relates to the guideline under development	After finishing medical school (KU Leuven, Belgium) in 2016, I finished a postgraduate course in tropical medicine and international health (Institute of Tropical Medicine, Antwerp Belgium) and a masters in hospital management and healthcare policy (KU Leuven, Belgium), specialised in general internal medicine (UZ Leuven, Stellenbosch University, GSTT London UK) before stating a Phd in epidemiology (KU Leuven) in 2020. My research focuses mainly on transmission of respiratory pathogens and has used contact tracing, exhaled breath sampling, and ambient air sampling as methods. I was involved in designing, setting up, coordination, and analysing the results of a testing and contact tracing system for tertiary education students (Leuven, Belgium) and contributed to the GDG focusing on contact tracing in COVID-19.
Full name as commonly used in professional work	Marc Ho Zheng Jie
Institutional affiliation(s) (current and in the prior four years)	Ministry of Health, Singapore (2021-Present); National University of Singapore (2022-Present); Academy of Medicine, Singapore (2018-Present); World Health Organization (2019-2021)
Academic degrees	MPH, MBBS
City and country of primary residence	Singapore, the Republic of Singapore
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Marc Ho is a public health physician and is the current Director of the Contact Tracing and Epidemiology Centre under the Ministry of Health, Singapore. For the COVID-19 pandemic, he oversaw national policy and operations in contact tracing, disease surveillance and outbreak control. This includes implementation of a national digital contact tracing solution and tailoring protocols and processes in the national shift from disease containment to mitigation. Marc has also been involved in the prevention and control of national outbreaks such as zika, mpox and tuberculosis, including organizing and conducting associated local contact tracing activities. He was also previously seconded to the World Health Organization in Geneva and led work on urban health emergency preparedness and the strengthening of health systems for health security. Marc continues to be actively involved in global health work, including through the National University of Singapore. He holds a Master of Public Health and is a fellow of the Academy of Medicine, Singapore.

Full name as commonly used in professional work	Maria Tseroni
Institutional affiliation(s) (current and in the prior four years)	Department of Nursing National and Kapodistrian University of Athens; European Center for Disease Prevention and Control; National Public Health Organisation of Greece
Academic degrees	BSN; MA Health and Social Care Management; European Programme for Intervention Epidemiology Training (EPIET); PhD
City and country of primary residence	Athens, the Hellenic Republic
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Maria tseroni has an extensive experience in the field of infection prevention and control and public health response to outbreaks (including contact tracing), mass gatherings, and other emergencies affecting the health sector. For eight years, she was the Field Coordinator for the Malaria Active-Case Detection programmes, which runs on annual transmission seasons in Greece. She has also been involved in the contact tracing of various communicable diseases, such as measles, malaria, tuberculosis, meningococcal disease, and COVID-19, in the community and healthcare settings. During her work with ECDC, Dr Tseroni was a member of the contact tracing team for COVID-19 until January 2022. She contributed to developing the third and fourth updates of the guidelines for contact tracing of individuals who have had contact with COVID-19 cases. In addition, she has experience in conducting systematic reviews.
Full name as commonly used in professional work	Masdalina Pane
Institutional affiliation(s) (current and in the prior four years)	National Research and Innovation Agency (BRIN), the Republic of Indonesia; National Workforce for Covid-19 Pandemic Control, Government of the Republic of Indonesia; Post Graduate Program in Public Health, Universitas Sari Mutiara Medan; National Institute of Health Research and Development, Ministry of Health, the Republic of Indonesia
Academic degrees	PhD
City and country of primary residence	Bogor, West Java, the Republic of Indonesia
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Masdalina Pane is a senior researcher in the National Research and Innovation Agency (BRIN), Republic of Indonesia, Technical working Group–Country Coordinating Mechanism (TWG-CCM) for Malaria Elimination in Indonesia from 2021 to 2024 and primary focal point for GOARN partner from the Republic of Indonesia Epidemiological Association (PAEI). She was an expert in the National Taskforce for COVID-19 Pandemic Control in the Contact Tracing Unit in the Republic of Indonesia since 2020. In addition, Dr Pane currently assists the Surveillance and Health Quarantine Directorate, Ministry of Health, the Republic of Indonesia to develop a Post Pandemic Surveillance guidance which combines influenza-like illnesses, Severe Acute Respiratory Infections and COVID-19 surveillance system in the Republic in Indonesia.

Full name as commonly used in professional work	Megan Schmidt-Sane
Institutional affiliation(s) (current and in the prior four years)	Institute of Development Studies, the United Kingdom of Great Britain and Northern Ireland; Case Western Reserve University, the United States of America
Academic degrees	PhD; MPH; BA Economics and International Affairs
City and country of primary residence	Brighton, the United Kingdom of Great Britain and Northern Ireland
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Megan Schmidt-Sane is a medical anthropologist with training in public health. She is a Research Fellow at the Institute of Development Studies based at the University of Sussex in the United Kingdom of Great Britain and Northern Ireland. Her interdisciplinary training and experience, including knowledge on epidemic response and how sociocultural and political contexts affect response, is relevant to this GDG on contact tracing. Since 2019, she has focused on epidemic preparedness and response primarily through fieldwork in Uganda and her role as a core staff member of the Social Science in Humanitarian Action Platform (SSHAP). This has included both in-person and remote support for public health emergency responses to Ebola (2018-2020 DRC epidemic, 2022 Uganda SVD outbreak) and COVID-19 (2020-2022). As part of a team led by London School of Hygiene and Tropical Medicine and UNICEF, she conducted fieldwork to understand the dynamics affecting trust in emergency response in the Uganda-DRC border region. Since 2022, she co-led a work package and conducted fieldwork for a project with the Institute of Development Studies and University of Ibadan to understand mpox vulnerabilities and the context of surveillance and response in southwestern Nigeria. She also volunteered as a contact tracer during COVID-19 with a local public health department.
Full name as commonly used in professional work	Noriko Kitamura
Institutional affiliation(s) (current and in the prior four years)	National Institute of Infectious Diseases, Japan (current); London School of Hygiene and Tropical Medicine and Nagasaki University, Japan (2018-2023)
Academic degrees	MD, MPH, PhD
City and country of primary residence	Tokyo, Japan
Brief summary of education, skills, experience as it relates to the guideline under development	Dr Noriko Kitamura is a certified paediatrician and has experience of public health practice and epidemiological research in several countries of Asia and Africa. She has engaged in contact tracing for the first time during the Ebola Virus Disease outbreak in the Republic of Sierra Leone in 2014-2015.

Full name as commonly used in professional work	Tove-Lysa Fitzgerald
Institutional affiliation(s) (current and in the prior four years)	Central Coast Local Health District, New South Wales (NSW), Australia; NSW Ministry of Health, NSW, Australia
Academic degrees	BSN; MPH; MPhil Applied Epidemiology
City and country of primary residence	Lake Munmorah, New South Wales, Australia
Brief summary of education, skills, experience as it relates to the guideline under development	Tove-Lysa Fitzgerald worked in the NSW Ministry of Health from 2016 to 2023 across a number of roles including bloodborne virus (BBV) and sexually transmissible infections (STI) epidemiologist, BBV and STI policy team manager and leading the NSW Ministry of Health COVID-19 Central Contact Tracing Team. Prior to this Mrs Fitzgerald worked as an epidemiologist in the OzFoodNet network and as a Clinical Nurse Consultant in Infection Prevention and Communicable Diseases (CNC IP&CD) in the Hunter New England Public Health Unit in NSW. In March 2020, Mrs Fitzgerald played a key role in establishing the NSW Ministry of Health COVID-19 Central Contact Tracing Team and worked as a Public Health Advisor/Liaison and Operational Lead in the team until March 2023. The COVID-19 Central Contact Tracing Team was established to assist NSW Public Health units with the appropriate Public Health Management of COVID-19 contacts where their capacity was exceeded in line with NSW Public Health guidelines and legislation. Mrs Fitzgerald currently works as a CNC IP&CD in the Central Coast Public Health Unit, NSW, Australia.
Full name as commonly used in professional work	Trevor R. Shoemaker
Institutional affiliation(s) (current and in the prior four years)	US Centers for Disease Control and Prevention, Viral Special Pathogens Branch
Academic degrees	PhD; MPH
City and country of primary residence	Atlanta, Georgia, USA
Brief summary of education, skills, experience as it relates to the guideline under development	Trevor Shoemaker currently serves as the Team Lead for the Epidemiology, Clinical, Surveillance and Health Education team, within the Viral Special Pathogens (VSPB) branch at the US centers for Disease Control and Prevention (CDC). Our work specializes in hemorrhagic fever viruses (VHF), including Ebola, Marburg, Rift Valley fever and Crimean-Congo hemorrhagic fever viruses. He has extensive experience and leadership in epidemiology, surveillance, laboratory diagnostics, and outbreak response over the last 26 years has provided me the necessary qualifications to be a member of this advisory group. In his current work, he focuses on the detection, response, control, and clinical significance of viral hemorrhagic fevers. Most recently, he has been directly and actively involved in multiple filovirus outbreaks. Through these multiple VHF responses, his team has worked directly with the Ministries of Health and WHO to improve rapid lab detection, characterize the transmission and implement effective control measures, including contact tracing, and have implemented long-term programs to ensure these outbreaks remain small to moderate and prevent international or epidemic spread as well as developed novel contact tracing technical aides.

Full name as commonly used in professional work	Zobaidul Haque Khan (Zobaid Khan)
Institutional affiliation(s) (current and in the prior four years)	Since May 2019, DAI Global Since January 2020 Deputy Team Lead, Fleming Fund Country Grant to Bangladesh operated by DAI Global
Academic degrees	MD; MPH
City and country of primary residence	Dhaka, Bangladesh
Brief summary of education, skills, experience as it relates to the guideline under development	For almost 20 years, Zobaid Khan has been involved in Communicable Disease Surveillance and Control Programmes in various countries in Africa and Asia including Bangladesh, Nigeria, India, South Sudan, Indonesia and DPR Korea. He retired from WHO in 2017 as Medical Officer for Communicable Disease Surveillance in WHO-DPRK. Since January 2020, he is the Deputy Team Lead, Fleming Fund Country Grant to Bangladesh supporting Antimicrobial resistance surveillance system in Bangladesh. Zobaid Khan has a wide range of experience in contact tracing in variety of socio-political, environmental. and geographical settings. He was directly involved in contact tracing in relation to surveillance of childhood vaccine preventable diseases including poliomyelitis and measles, other infectious diseases including Nipah virus disease and Avian influenza. In 2015, he participated in the review of contact tracing activities following a small measles outbreak in a Western Province of DPR Korea, bordering with China. He also has extensive experience in working in diverse cultural settings.