



世界卫生健康论坛
WORLD HEALTH FORUM

World Health Forum 2021

Building a Resilient Public Health System

Conference Handbook

Tsinghua University, Beijing, China
2021.11.20-11.21

The COVID - 19 pandemic is continuing to cause serious disruption to communities around the world. Due to the frequent variation of the virus and the limited supply of vaccines, ever-present outbreaks have impacted people's health and well-being, and fundamentally altered the global economy. The pandemic has made the realization of the UN Sustainable Development Goals 2030 an even-greater challenge for humanity.

One of the welcome trends since the COVID-19 pandemic began has been the unprecedented worldwide attention to building better public health systems. We have been reminded that continuously improving the resilience of public health systems is of critical importance in responding to future health crises. It is more urgent than ever for people around the world to find solutions and take actions to build a resilient public health system, so as to ensure it is stronger, more equitable, and more accessible.

The inaugural World Health Forum (WHF2021) is themed *Building a Resilient Public Health System and will focus on issues such as Universal Health Coverage, UN Sustainable Development Goals 2030, Pandemic Preparedness and Response, Safeguarding Human Health in a Rapidly Changing Environment, Health System in the Era of Big Data*. WHF2021 will convene internationally renowned scholars, international organization leaders, former Heads of State and Government, senior public health and technology leaders to discuss measures and inject new direction and momentum into the future public health in the post-pandemic era, to promote understanding and cooperation on important issues of global public health governance, so as to strengthen the building of the global public health security system and provide policy makers with actionable policy recommendations.

The World Health Forum is initiated by Tsinghua University and chaired by Margaret CHAN, the former Director-General of WHO, and the Founding Dean of the Vanke School of Public Health in the Tsinghua University of China.

Host



Organizer





The campus of Tsinghua University is situated in northwest Beijing on the site of the former imperial gardens of the Qing Dynasty, and surrounded by a number of historical sites. Tsinghua University was established in 1911, originally under the name "Tsing Hua Imperial College". The school was renamed "Tsing Hua College" in 1912. The university section was founded in 1925. The name "National Tsing Hua University" was adopted in 1928.

The faculty greatly valued the interaction between Chinese and Western cultures, the sciences and humanities, the ancient and modern. Tsinghua scholars Wang Guowei, Liang Qichao, Chen Yinke and Zhao Yuanren, renowned as the "Four Tutors" in the Institute of Chinese Classics, advocated this belief and had a profound impact on Tsinghua's later development.

Since China opened up to the world in 1978, Tsinghua University has developed at a breathtaking pace into a comprehensive research university. At present, the university has 21 schools and 59 departments with faculties in science, engineering, humanities, law, medicine, history, philosophy, economics, management, education and art.

With the motto of "Self-discipline and Social Commitment" and the spirit of "Actions Speak Louder Than Words", Tsinghua University is dedicated to the well-being of Chinese society and to world development. As one of China's most prestigious and influential universities, Tsinghua is committed to cultivating global citizens who will thrive in today's world and become tomorrow's leaders. Through the pursuit of education and research at the highest level of excellence, Tsinghua is developing innovative solutions that will help solve pressing problems in China and the world.



Tsinghua University Vanke School of Public Health (VSPH) was newly established on April 2, 2020 in the midst of the global COVID-19 pandemic. Dr. Margaret Chan, the Former Director-General and Emeritus Director-General of the World Health Organization, is the founding dean of the School. The establishment of the School is a historic milestone for Tsinghua University, as it actively undertakes its mission to shoulder the responsibility of addressing national and global challenges, development priorities and needs. It is also a timely disciplinary response to major global public health issues.

Based on the principles of comprehensive, international and high-end, the School will give full play to the comprehensive advantages of Tsinghua University, collaborative development, integration and innovation. With its mission as based in China, facing the world, serving the community and serving mankind, the School aims to become a training base for high-level leaders and backbone talents in public health, the most influential think-tank at home and abroad, and an advanced model of global health governance and international cooperation, striving to build itself into a world-class and influential school of public health on the global stage.

Addressing the urgent needs of the world and the frontiers of science, the School is focusing on four core disciplines, namely public health security, healthcare service, big data in healthcare, and public health policy and management, and actively performs the functions of scientific research, talent training and service to society. Tsinghua University's Vanke School of Public Health seeks to build its faculty in a variety of academic fields globally. We welcome faculty applications from a variety of academic field including public health security, healthcare service, big data in healthcare, and public health policy and reform and other related fields.

Chairman



Margaret CHAN

Chair of WHF
Founding Dean of Vanke School of Public Health
Tsinghua University
Emeritus WHO Director-General

Secretary General



LIANG Wannian

Executive Vice Dean
Vanke School of Public Health
Tsinghua University
Dean, Institute for Healthy China, Tsinghua University

Building a Resilient Public Health System

Date

November 20-21, 2021

The zoom link for the World Health Forum on
20-21 November, 2021 (Beijing time) is

<https://us02web.zoom.us/j/88540125080?pwd=RVJkSEdhamZyWkwYVXoveHVLa2svdz09>

Meeting ID: 885 4012 5080 **Code:**568798

01

Universal Health Coverage
and Sustainable Development
Goals 2030

02

Pandemic Preparedness
and Response

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Building a Resilient Public
Health System:
Youth Power

04

Safeguarding Human Health in a Rapidly
Changing Environment

05

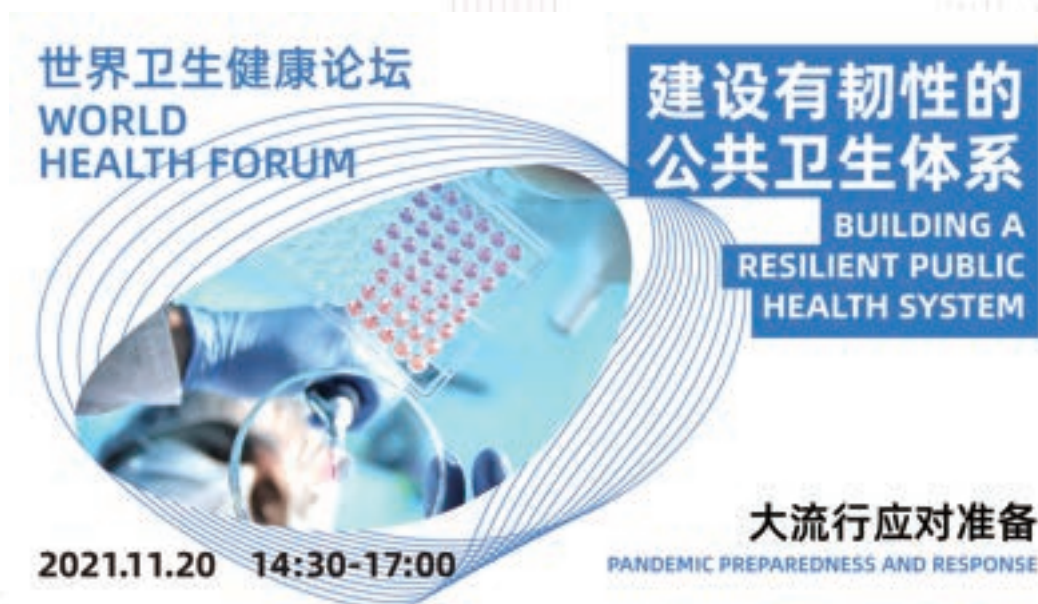
Health and Health Care in the Era of Big Data
-- New Technologies, New Methods
and New Trends



This closed-door virtual session will discuss how the primary healthcare system can support non-communicable diseases management, including cardiovascular disease. The discussions will explore essential investments, especially at policy level, for establishing and reinforcing strong and efficiency primary healthcare systems.



Universal health coverage (UHC), central to better health and well-being for all, delivers gains across the 2030 Agenda for Sustainable Development and embodies the 2030 Agenda pledge to leave no one behind. Health is a precondition for and an outcome and indicator of sustainable development, and UHC serves as the foundation to achieving the SDGs. In this session, the panel will discuss key issues around the barriers to UHC and provide their insights on improving the affordability, accessibility and quality of health care and systems around the world. They will also discuss the importance of strengthening governance and institutions to deliver universal access to basic services, including addressing the social, economic, commercial, and environmental determinants of health. This session will provide strategies, policy recommendations and potential pathways for reducing inequalities and social exclusion, while promoting effective and inclusive governance, hence a resilient and sustainable system for health.



This section will review the major pandemics and global response from the two perspectives of “policies, regulations and capacity-building” and “science, technology and product accessibility”, especially by identifying the challenges existing in the prevention and control of the current COVID-19 pandemic, so as to put forward specific recommendations for potential pandemic preparedness and effective response in the future. This section will focus on strengthening public health regulations, system and core capacities, as well as improving innovation, technology, product accessibility and global partnership.



Our world is changing rapidly and facing various health challenges. The COVID-19 pandemic has revealed the vulnerabilities of the current social, political, economic, and health systems. Meanwhile, non-communicable diseases, aging, and other health issues are increasing in severity and complexity. To respond to the global public health challenges and promote communication among young scholars, a Youth Forum will be organized during the 1st World Health Forum which will be held on 20-21 November, 2021. The theme of the Youth Forum is Building a Resilient Public Health System: Youth Power. It aims to provide a high-level communication platform for emerging global scholars who are in an early-career stage, and to cultivate young public health leaders. We cordially invite emerging global scholars to submit research abstracts with a view to join the Youth Forum.



Climate change is expected to be one of the biggest global health threats in the 21st century. The increase in heatwaves, droughts, floods and other natural hazards is increasing the risk of climate-related illness and death as well as reversing gains made in reducing food insecurity and strengthening health protection. The science is unequivocal; a global increase of 1.5 °C above the pre-industrial average and the continued loss of biodiversity risk catastrophic harm to health that will be impossible to reverse. Highlighting these human impacts is seen as a way of accelerating climate action, by mobilizing public and political support within countries and by building alliances between countries. Despite the world's necessary preoccupation with COVID-19, we cannot wait for the pandemic to pass to rapidly reduce emissions. Reflecting the severity of the moment, this session of conference aims to bring together world recognized scholars to call for emergency action to limit global temperature increases, restore biodiversity, and protect health.



When public health, a highly inter-disciplinary field, evolves into the era of “big data”, many disruptive innovations may occur. This session explores the application of big data to health and health care, in terms of emerging technology, methodology and trend. The first half of this session highlights “Internet Plus Healthcare” which has been promoted by the central authority in China. International experiences such as electronic health records, precision health and virtual care will be discussed. The sustainable development of internet healthcare also requires appropriate health data governance. In addition, how big data has fundamentally affected the traditional contact tracing and epidemiology will be elaborated through the cases of the telecommunications big data travel history app, and the nowcasting and forecasting models. The second half of the session focuses on how big data helps with health policy making and health system performance. International and domestic scholars will jointly examine some heated topics such as the real world data (RWD)-based health technology assessment to finally attain universal health coverage.

Special Guests



Ban Ki-Moon

Secretary General of UN
(2007-2016)



Danilo Türk

Former President of Slovenia
(2007-2012)



Margaret CHAN

Chair of WHF; Founding
Dean of Vanke School of
Public Health
Tsinghua University



QIU Yong

President
Tsinghua University



YANG Bin

Vice President
Tsinghua University



Takeshi Kasai

WHO Regional Director for
the Western Pacific



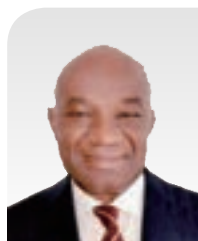
Richard Horton

Editor-in-Chief of *The Lancet*



Mark Suzman

CEO, Bill & Melinda Gates
Foundation



Anarfi Asamoah-Baah

Presidential Coordinator,
the Ghana's Coronavirus
Response Program;
Former Deputy Director-
General, WHO



Erik Berglof

Chief Economist, Asian
Infrastructure Investment
Bank



John Cairns

Professor of Health
Economics, London School of
Hygiene & Tropical Medicine



Siddharth Chatterjee

UN Resident Coordinator
in China



CHENG Feng

Vice Dean, Institute for
Healthy China, Tsinghua
University; Assistant Dean &
Professor, Vanke School of
Public Health,
Tsinghua University



Cordia Chu

Director, Center for
Environment and Population
Health, Griffith University



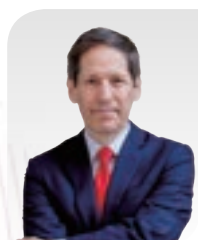
DAI Tao

Deputy Secretary of the CPC
Center for Health Statistics
and Information Committee,
National Health Commission
of China



Kristie Ebi

Professor, Center for Health
and the Global Environment,
University of Washington



Tom Frieden

President and CEO of
Resolve to Save Lives, an
initiative of Vital Strategies;
Former Director, US Centers
for Disease Control and
Prevention



Keiji Fukuda

Director and Clinical
Professor, School of Public
Health, Li Ka Shing Faculty of
Medicine, University of
Hong Kong



Gauden Galea

WHO Representative to
China



Franz Gatzweiler

Professor, Institute of Urban
Environment, Chinese
Academy of Sciences

Guests

In alphabetical order of guest's last name



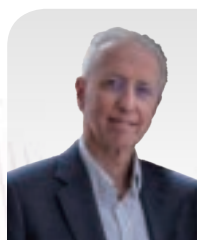
GAN Ge

Vice Director, China National Health Development Research Center, National Health Commission of China



GONG Peng

Vice-President and Pro-Vice-Chancellor, the University of Hong Kong



Sir Andy Haines

Professor of Environmental Change and Public Health, Centre on Climate Change and Planetary Health, London School of Hygiene & Tropical Medicine



HUANG Cunrui

Professor, Vanke School of Public Health
Tsinghua University



Nobuko Ichikawa

Senior Environmental Adviser, European Bank for Reconstruction and Development



John S Ji

Associate Professor, Vanke School of Public Health,
Tsinghua University



Ho Kim

Professor,
Seoul National University



Pierre Krähenbühl

Personal Envoy of the ICRC's
President to China and Head
of Regional Delegation of
ICRC



Gabriel Leung

Dean of Medicine, Helen and
Francis Zimmern Professor in
Population Health,
University of Hong Kong



LIANG Wannian

Executive Vice Dean, Vanke
School of Public Health,
Tsinghua University



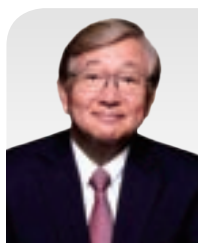
MENG Qingyue

Dean, School of Public
Health, Peking University



Chris Paton

Head of the Global Health
Informatics Group at the
Centre for Tropical Medicine
and Global Health,
University of Oxford



Shin Young-soo

Professor Emeritus, College of Medicine, Seoul National University Regional Director Emeritus, Western Pacific Region, WHO



Ian Smith

Head of Secretariat, Global Preparedness Monitoring Board, WHO



Keizo Takemi

WHO Goodwill Ambassador for Universal Health Coverage



TANG Kun

Associate Professor, Vanke School of Public Health, Tsinghua University



Teo Yik Ying

Dean, Saw Swee Hock School of Public Health, National University of Singapore



TONG Shilu

Director, Department of Clinical Epidemiology and Biostatistics, Shanghai Children's Medical Center; Professor, School of Medicine, Shanghai Jiaotong University



WANG Chenguang

Former Dean, Law School,
Tsinghua University;
Distinguished Professor,
Vanke School of Public
Health, Tsinghua University



WANG Hufeng

Director of Department
of Health Policy and
Management, Professor
of School of Public
Administration and Policy,
Renmin University



David Watkins

Assistant Professor, Global
Health Department,
University of Washington



WU Manqing

Academician of Chinese
Academy of Engineering
General Manager, China
Electronic Technology Group
Corporation



XU Jiaqi

Former Director, Center
for Drug Evaluation of
China Food and Drug
Administration



XUE Lan

Dean, Schwarzman College,
Tsinghua University



YANG Xiaoming

Board Chairman, China
National Biotech Group



Abas Hassen Yesuf

Director, Clinical Service
Directorate, Federal Ministry
of Health, Ethiopia



Winnie Yip

Professor, Harvard T.H. Chan
School of Public Health



ZENG Guang

Former Chief Epidemiologist
in Chinese Center for Disease
Control and Prevention;
Honorary Chairman of Public
Health Society of Chinese
Medical Association



ZHAI Panmao

Co-Chair, Working Group I,
The Intergovernmental Panel
on Climate Change (IPCC)
Chinese Meteorological
Society



ZHANG Junhua

Secretary of the Party Committee
of Health Human Resources
Development Center, National
Health Commission of China



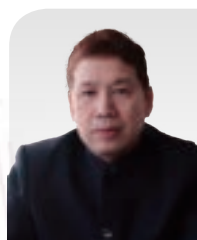
ZHANG Linqi

Professor, School of
Medicine, Tsinghua
University



ZHAO Kun

Distinguished Professor,
Vanke School of Public Health,
Tsinghua University



ZHOU Jinfeng

Secretary General, China
Biodiversity Conservation
and Green Development
Foundation



ZHOU Tianjun

Deputy Director, Institute of
Atmospheric Physics, Chinese
Academy of Sciences



ZHU Jiming

Associate Professor, Vanke
School of Public Health,
Tsinghua University



ZHU Tong

Dean, College of Environmental
Sciences and Engineering,
Peking University

Agenda

*All Times Listed in Beijing Standard Time (GMT+8)

Day ONE, 20 November, 2021 (Saturday)

09:00-09:45 **OPENING CEREMONY**

Moderator: **YANG Bin**, Vice President and Provost, Tsinghua University

10:00-12:30 **PLENARY Session 1:**

Universal Health Coverage and Sustainable Development Goals 2030

Chair: **TANG Kun**, Associate Professor, Vanke School of Public Health, Tsinghua University

Part I Pathways to Universal Health Coverage

Speakers

XUE Lan, Dean, Schwarzman College, Tsinghua University

Winnie Yip, Professor, Harvard T.H. Chan School of Public Health

GAN Ge, Vice Director, China National Health Development Research Center, National Health Commission of China

Shin Young-soo Professor Emeritus, College of Medicine, Seoul National University Regional Director Emeritus, Western Pacific Region, WHO

Free Discussion

Specially Invited Discussants:

Pierre Krähenbühl, Personal Envoy of the ICRC's President to China and Head of Regional Delegation of ICRC

Part II Building high-quality and affordable universal health coverage

Speakers

MENG Qingyue, Dean, School of Public Health, Peking University

Abas Hassen Yesuf, Director, Clinical Service Directorate, Federal Ministry of Health, Ethiopia

Gauden Galea, WHO Representative to China

Keizo Takemi, WHO Goodwill Ambassador for Universal Health Coverage

Free Discussion

Specially Invited Discussants:

WANG Hufeng, Director of Department of Health Policy and Management, Professor of School of Public Administration and Policy, Renmin University

14:30-17:00 **PLENARY Session 2:**

Pandemic Preparedness and Response

Chair: **CHENG Feng**, Vice Dean, Institute for Healthy China, Tsinghua University; Assistant Dean & Professor, Vanke School of Public Health, Tsinghua University

Part I Policy, Regulations and Capacity Building

Speakers

LIANG Wannian, Executive Vice Dean, Vanke School of Public Health, Tsinghua University

Nobuko Ichikawa, Senior Environmental Adviser, European Bank for Reconstruction and Development

Tom Frieden, President and CEO of Resolve to Save Lives, an initiative of Vital Strategies;
Former Director, US Centers for Disease Control and Prevention

Keiji Fukuda, Director and Clinical Professor, School of Public Health, Li Ka Shing Faculty of Medicine, University of Hong Kong

Free Discussion

Specially Invited discussants:

ZENG Guang, Former Chief Epidemiologist in Chinese Center for Disease Control and Prevention; Honorary Chairman of Public Health Society of Chinese Medical Association;

WANG Chenguang, Distinguished Professor, Vanke School of Public Health, Tsinghua University;
Former Dean, Law School, Tsinghua University

Part II Science, Technology and Accessibility

Speakers

Anarfi Asamoah-Baah, Presidential Coordinator, the Ghana's Coronavirus Response Program;
Former Deputy Director-General, WHO

Ian Smith, Head of Secretariat, Global Preparedness Monitoring Board, WHO

YANG Xiaoming, Board Chairman, China National Biotech Group

ZHANG Linqi, Professor, School of Medicine, Tsinghua University

Free Discussion

Specially Invited Discussants:

XU Jiaqi, Former Director, Center for Drug Evaluation of China Food and Drug Administration

XU Junhua, Secretary of the Party Committee of Health Human Resources Development Center,
National Health Commission of China

19:00-21:15 **YOUTH FORUM**

Building a Resilient Public Health System: Youth Power

Opening Remark

Margaret CHAN, Chair of WHF & Founding Dean of Vanke School of Public Health, Tsinghua University

Presentations by Young Scholars

Closing Remark

Siddharth Chatterjee, UN Resident Coordinator in China

Prize Presentation

Day Two, 21 November, 2021, Sunday

09:30-12:00 **PLENARY Session 3:**

Safeguarding Human Health in a Rapidly Changing Environment

Chair: **HUANG Cunrui**, Professor, Vanke School of Public Health, Tsinghua University

Part I Challenges for Public Health in the Anthropocene Epoch

Moderator: **HUANG Cunrui**, Professor, Vanke School of Public Health, Tsinghua University

Speakers

Sir Andy Haines, Professor of Environmental Change and Public Health, Centre on Climate Change and Planetary Health, London School of Hygiene & Tropical Medicine

ZHAI Panmao, Co-Chair, Working Group I, The Intergovernmental Panel on Climate Change (IPCC)

Kristie Ebi, Professor, Center for Health and the Global Environment, University of Washington

GONG Peng, Vice-President and Pro-Vice-Chancellor, The University of Hong Kong

Free Discussion

Specially Invited Discussants:

ZHOU Tianjun, Deputy Director, Institute of Atmospheric Physics, Chinese Academy of Sciences

ZHOU Jinfeng, Secretary General, China Biodiversity Conservation and Green Development Foundation

Erik Berglof, Chief Economist, Asian Infrastructure Investment Bank

Part II Imperative Action to Protect Health from Climate Change

Moderator: **John Ji**, Associate Professor, Vanke School of Public Health, Tsinghua University

Speakers

Cordia Chu, Director, Center for Environment and Population Health, Griffith University

ZHU Tong, Dean, College of Environmental Sciences and Engineering, Peking University

Ho Kim, Professor, School of Public Health, Seoul National University

HUANG Cunrui, Professor, Vanke School of Public Health, Tsinghua University

Free Discussion

Specially Invited Discussants:

Tong Shilu, Director, Department of Clinical Epidemiology and Biostatistics, Shanghai Children's Medical Center; Professor, School of Medicine, Shanghai Jiaotong University

Franz Gatzweiler, Professor, Institute of Urban Environment, Chinese Academy of Sciences

14:30-17:00 **PLENARY Session 4:**

Health and Health Care in the Era of Big Data

-- New Technologies, New Methods and New Trends

Chair: **ZHU Jiming**, Associate Professor, Vanke School of Public Health, Tsinghua University

Part I Big Data and Internet Healthcare

Moderator: **ZHU Jiming**, Associate Professor, Vanke School of Public Health, Tsinghua University

Speakers

WU Manqing, Academician of Chinese Academy of Engineering

General Manager, China Electronic Technology Group Corporation

Gabriel Leung, Dean of Medicine, Helen and Francis Zimmern Professor in Population Health, University of Hong Kong

Leung Tao, Deputy Secretary of the CPC Center for Health Statistics and Information Committee, National Health Commission of China

Chris Paton, Head of the Global Health Informatics Group at the Centre for Tropical Medicine and Global Health, University of Oxford

Free Discussion

Part II Data-driven Health Policy and System Evaluation

Moderator: **DAI Tao**, Deputy Secretary of the CPC Center for Health Statistics and Information Committee, National Health Commission of China

Speakers

DAI Kun, Distinguished Professor, Vanke School of Public Health, Tsinghua University

John Cairns, Professor of Health Economics, London School of Hygiene & Tropical Medicine

TEO Yik Ying, Dean, Saw Swee Hock School of Public Health, National University of Singapore

David Watkins, Assistant Professor, Global Health Department, University of Washington

Free Discussion

17:00-17:30 **CLOSING CEREMONY**

Moderator: **LIANG Wannian**, Executive Vice Dean, Vanke School of Public Health, Tsinghua University

Closing Remark

ZENG Rong, Vice President, Tsinghua University

For more WHF information, please contact
whf@tsinghua.edu.cn
Website: <https://vsph.tsinghua.edu.cn/en/Forum.htm>



Wechat