

THE 22ND NIH SCIENTIFIC CONFERENCE
21-23 SEPTEMBER 2021
VIRTUAL CONFERENCE

'Heal, Innovate, Change and Improve for a Healthy Nation'

22ND
NIH SCIENTIFIC
CONFERENCE

September 21-23, 2021

INSTITUTE FOR PUBLIC HEALTH,
NATIONAL INSTITUTES OF HEALTH,
MINISTRY OF HEALTH,
SETIA ALAM, SELANGOR



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1.0 INTRODUCTION

The 22nd NIH Scientific Conference was organised by the National Institutes of Health under the auspices of Ministry of Health, Malaysia together with the Asia-Pacific Academic Consortium for Public Health (APACPH-KL). The theme of the conference, 'Heal, Innovate, Change and Improve for a Healthy Nation' reflects of innovation through research to improve our healthcare delivery for our population during and post pandemic. The conference was held virtually from 21st – 23rd September 2021. This conference provided a platform for various profession to disseminate research information and further facilitate interaction between researchers, healthcare providers and all other stakeholders all over Malaysia. This conference focused on current health issues related to public health, clinical, biomedical and others faced by developed and developing countries. The conference consisted of keynote address session, two plenary sessions, two round table discussions, six symposiums with poster and oral presentations. The Director General of Health Malaysia delivered the keynote address and launched the 22nd NIH Scientific Conference.

Conference objectives

The aim of the conference was to provide a platform for participants to enhance knowledge and skills, while fostering networking for collaborative work within various agencies locally and internationally.

2.0 CONFERENCE PROGRAMME

DAY 1 – TUESDAY (21 SEPTEMBER 2021)

Time	Programme
8:00	REGISTRATION Log-in to Virtual Conference
8:30 – 8:40	Opening Speech <ul style="list-style-type: none"> Dr Noor Ani Ahmad <i>Chairperson 22nd NIH Scientific Conference & Director of Institute for Public Health, National Institutes of Health</i> Prof Dr Maznah Dahlui <i>Co-Chairperson 22nd NIH Scientific Conference & Regional Director of Asia Pacific Academic Consortium of Public Health</i>
8:40 – 9:40	PLENARY 1: YESTERDAY, TODAY AND TOMORROW: WHERE ARE THE HEALTH SYSTEMS CHALLENGES? Chairperson: Dr Noor Ani Ahmad, <i>Director of Institute for Public Health, National Institutes of Health</i> <ul style="list-style-type: none"> Prof. Daniel Reidpath <i>Senior Director, Health Systems and Population Studies Division, icddr, b Bangladesh</i>
9:40 – 11:00	OPENING CEREMONY AND KEYNOTE ADDRESS Welcoming Speech <ul style="list-style-type: none"> Dr S Asmaliza Ismail <i>Advisor for Organizing Committee of 22nd NIH Scientific Conference, NIH Manager, National Institutes of Health</i> Datuk Dr Hishamshah bin Mohd Ibrahim <i>Patron of 22nd NIH Scientific Conference, Deputy Director General of Health Malaysia (Research and Technical Support)</i> Keynote Address and Launching of 22nd NIH Scientific Conference <ul style="list-style-type: none"> Tan Sri Dato' Seri Dr Noor Hisham Abdullah <i>Director General of Health Malaysia</i>
11:00 – 11:30	Tea Break
11:30 – 12:30	ROUND TABLE DISCUSSION 1: HEAL, INNOVATE, CHANGE AND IMPROVE FOR A HEALTHY NATION: STRENGTHENING THE HEALTH PROMOTION AGENDA Panelist: Moderator: Dr Manimaran Krishnan <i>Director of Institute for Health Behavioural Research, National Institutes of Health</i> <ul style="list-style-type: none"> Prof Emeritus Dr Samsudin A Rahim <i>Faculty of Social Sciences and Humanities, National University of Malaysia</i> Prof Dato' Dr Lokman Hakim Sulaiman <i>International Medical University, Kuala Lumpur</i> Dr Vanitha Subramaniam <i>Senior Principle Assistant Director, Population Wellness Branch, Health Education Division, Ministry of Health Malaysia</i>
12:30 – 2:00	Lunch
2:00 – 3:00	SYMPOSIUM 1: BIOETHICS AND RESEARCH INTEGRITY IN A PANDEMIC TO IMPROVE HEALTH OUTCOMES Chairperson: Dr Hjh Salina Abdul Aziz <i>Chairperson of National Committee on Ethics and Research, Ministry of Health Malaysia</i> <ul style="list-style-type: none"> Bioethics Guidance in a Pandemic Dr Tan Hui Siu <i>Head of Hospital Ethics Support Service, Co-Chair of Clinical Ethics Committee, Hospital Ampang</i> Ethical Standards and Their Application to Research During Public Health Emergencies Dr Nishakanthi Gopalan <i>MOHRE Programme Manager Faculty of Medicine, University of Malaya</i>
3:00 – 4:00	ORAL PRESENTATION VIDEO AND POSTER VIEWING SESSION

DAY 2 – WEDNESDAY (22 SEPTEMBER 2021)

Time	Programme
8.00	REGISTRATION Log-in to Virtual Conference
8.30 – 9.30	PLENARY 2: THE GLOBAL ECONOMY IN THE POST COVID-19 ERA Chairperson: Dr Nor Izzah Haji Ahmad Shauki <i>Director of Institute for Health Systems Research, National Institutes of Health</i> <ul style="list-style-type: none"> • Prof Dr Jomo Kwame Sundaram <i>Fellow, Academy of Science, Malaysia, Emeritus Professor, University of Malaya, Senior Adviser, Khazanah Research Institute, and Fellow, Initiative for Policy Dialogue, Columbia University</i>
9:30 – 10:30	SYMPOSIUM 2: CONSTANT OF CHANGE: COMMUNICABLE DISEASES AMIDST COVID-19 PANDEMIC Chairperson: Dr Chong Zhuo Lin <i>Head of Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health</i> <ul style="list-style-type: none"> • Field Survey Implementation for NHMS During COVID-19 Pandemic En Mohd Hatta Abdul Mutalip <i>Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health</i> • Hepatitis B and C Burden in Malaysia: Are We Ready to Eliminate Hepatitis by 2030? Pn Hasmah Mohamed Haris <i>Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health</i> • HIV: Knowledge & Stigma in Malaysia Dr Mohd Shaiful Azlan Kassim <i>Head of Centre for Family Health Research, Institute for Public Health, National Institutes of Health</i> • COVID-19: Applying Research Skills to Practice Dr Noor Aliza Lodz <i>Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health</i>
10.30 – 11.00	Tea Break
11:00 – 12:30	SYMPOSIUM 3: NEXT FRONTIER IN PUBLIC HEALTH Chairperson: Prof Victor Hoe <i>Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya</i> <ul style="list-style-type: none"> • Genetic Applications in Disease Prevention Prof Yik-Ying Teo <i>Dean, Saw Swee Hock School of Public Health, National University of Singapore</i> • Public Health Education and Promotion Prof Datuk Dr Awang Bulgiba Awang Mahmud <i>President of the Asia-Pacific Academic Consortium for Public Health-KL (APACPH-KL)</i> • Big Data Analytics in Public Health Prof Dr Sanjay Rampal <i>Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya</i>
12:30 – 2:00	Lunch
2:00 – 3:00	SYMPOSIUM 4: HEALTHCARE LANDSCAPE IN MALAYSIA: THREATS AND NEGLECTED DISEASES Chairperson: Dr Norazah Ahmad <i>Head of Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i> <ul style="list-style-type: none"> • Viral Diseases: Future Pandemic; Are We Prepared? Dr Ravindran Thayan <i>Head of Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i> • Asymptomatic Dengue: Is It a Threat or We Neglected? Dr Ahmad Faudzi Yusoff <i>Head of Secretariat for Training, National & International Collaboration, Institute for Medical Research, National Institutes of Health</i> • Ticks and Tick Borne Pathogens in Malaysia: Will it be A Growing Public Health Threat? Dr Mariana Ahamad <i>Head of Acarology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i> • Melioidosis, The Threat is Undeniable Dr Rohaidah Hashim <i>Bacteriology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i>
3:00 – 4:00	ORAL PRESENTATION VIDEO AND POSTER VIEWING SESSION

DAY 3 – THURSDAY (23 SEPTEMBER 2021)

Time	Programme
8:00	REGISTRATION Log-in to Virtual Conference
8:30 – 10:00	<p>SYMPOSIUM 5: STRENGTHENING HEALTH SYSTEMS RESEARCH: ENGAGING HEALTHCARE WORKFORCE, POLICY MAKERS AND TECHNOLOGY</p> <p>Chairperson: Dr Kalvina Chelladorai <i>Centre for Health Services Research, Institute for Health Systems Research, National Institutes of Health</i></p> <ul style="list-style-type: none"> • Health Policy and Systems Research for Health System Strengthening Dr Katherine Ann Reyes <i>College of Public Health, University of the Philippines, Manila</i> • Delivering Healthcare Intervention: Why Implementation Research is Needed Dr Nur Hidayati Abdul Halim <i>Centre for Health Policy Research, Institute for Health Systems Research, National Institutes of Health</i> • Implementation Research: Lessons From Capacity Building in the Southeast Asian Region Prof Dr Yodi Mahendradhata <i>Vice Dean, Faculty of Medicine, Public Health & Nursing, University Gadjah Mada</i> • AI Application in Health System Research: Where Does Malaysia Stand, and Where Can We Go? Dr Lim Wern Han <i>School of Information Technology, Monash University</i>
10:00 – 11:00	<p>SYMPOSIUM 6: IMPROVING MENTAL HEALTH DELIVERY USING DIGITAL TECHNOLOGY</p> <p>Chairperson: Dr Chan Yee Mang <i>Center for Burden of Diseases Research, Institute for Public Health, National Institutes of Health</i></p> <ul style="list-style-type: none"> • Mental Health Issues in Malaysia and Digital Technology Adoption to Enhance Research Dr Hj Abdul Kadir Abu Bakar <i>Regional Vice President, World Association of Psychiatric Rehabilitation</i> • The Role of Social Media in Reducing Mental Health Stigma and Discrimination: Experiences from Malaysian NGO Pn Anita Abu Bakar <i>President of Mental Illness Awareness & Support Association (MIASA)</i> • Digital Technology and Prevention in Mental Health: Experiences from Malaysian NGOs En Johan Amilin <i>Deputy Chairperson of the Befrienders Kota Kinabalu</i>
11:00 – 11:30	Tea Break
11:30 – 12:30	<p>ROUND TABLE DISCUSSION 2: VACCINE DEVELOPMENT: WHERE ARE WE AND ARE WE READY?</p> <p>Panelist:</p> <p>Moderator: Dr Norazah Ahmad <i>Head of Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i></p> <ul style="list-style-type: none"> • Dr Masita Arip <i>Head of Allergy and Immunology Research Centre, Institute for Medical Research, National Institutes of Health</i> • Dr Ravindaran Thayan <i>Head of Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i> • Dr Rozainanee Mohd Zain <i>Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health</i>
12:30 – 2:00	Lunch
2:00 – 3:00	<p>Health Research Priority Setting for 12th Malaysia Plan</p> <ul style="list-style-type: none"> • Datuk Dr Nor Asiah Muhamad <i>Head of Evidence Based Healthcare Sector, National Institutes of Health</i>
3:00 – 4:00	Closing and Award Ceremony

3.0 COMMITTEE MEMBERS

Patron	Datuk Dr Hishamshah Mohd Ibrahim
Advisor	Dr S Asmaliza Ismail Dr Norhayati Ibrahim
Chairperson	Dr Noor Ani Ahmad
Co-Chairperson	Prof Dr Maznah Dahlui
Secretary I	Pn Suhaila Abd Ghaffar
Secretary II	Pn Chan Ying Ying
Treasurer	Pn Safriah Md. Adzhar
Deputy Treasurer I	En Mazli Mohd Razali
Deputy Treasurer II	Pn Cheong Siew Man
Deputy Treasurer III	Dr Fatin Diyana Abdul Aziz
Main Committee:	Dr Tahir Hj Aris Dr Nor Izzah Hj. Ahmad Shauki Dr Kalaiarasu M Peariasamy Dr Manimaran a/l Krishnan Kaundan
Registration Committee:	Cik Hasimah Ismail (Head) En Mohamad Naziran Hasni Junai Prof Aniza Ismail Cik Amalina Mohamad Pn Rohaizam Mat Cik Siti Zulaika Mohd Zaki Pn Nur Fadhila Mohd Zain Cik Nursyafiza Zahari Cik Sunita Samin Cik Nithyamathi a/p Kalimuthu
Scientific Committee:	Dr Shubash Shander (Head) Dr Chan Yee Mang En Lim Kuang Kuay Dr Intan Syafinaz Saman@Saimy Dr Noraziani Khamis Dr Hussin Muhammad Dr Too Chun Lai Dr Samsiah Awang Dr Fathullah Iqbal Ab Rahim Dr Normawati Ahmad En Saiful Adli Suhaimi Datuk Dr Nor Asiah Muhamad Dr Jamaiah Haniff En Ong Su Miin Pn Lim Ming Tsuey Prof Dr Sanjay Rampal a/l Lekhraj Rampal A/P Dr Nik Daliana Farid A/P Dr Mas Ayu Said Dr Mohd Hafiz Jaafar Dr Amirah Azzeri

Sponsorship & Funding Committee:	<p>Dr Shaiful Azlan Kassim (Head) Dr Fatin Athira Tahir Dr Aswir Abd Rashed Dr Nadia Mohamad Dr Hjh Nor Fariza Ngah Dr Nur Liana Md Nasir Dr Norizan Rosli Pn Rozila Harun En Mohamad Fuad Mohamad Anuar En Khairulazani Hassan Sabery Dr Muhd Hafizuddin Taufik Ramli</p>
Publicity & Publication Committee:	<p>Dr Maznieda Mahjom (Head) En Mohd Amierul Fikri Mahmud Pn Noor Syaqlah Shawaluddin Pn Suhaili Zainal Abidin Dr Chew Cheng Hoon En Ang Zeng Yang Cik Nur Fazietyana Azizi En Tuan Amin Tuan Lah Pn Norsyamlina Che Abdul Rahim Pn Khairulnissa Abdul Kadir Dr Nik Dewi Delina Nik Mohd Kamil Prof Dr Victor Hoe Chee Wai Abdullah Cik Sharifah Zawani Syed Ahmad Yunus Dr Muniamal Krishnan Pn Nur Khairah Badaruddin</p>
Logistic & IT Committee:	<p>En Ahmad Ali Zainuddin (Head) En Chong Chean Tat Pn Sutha Muniandy En Azli Baharudin@Shaharudin Pn Lalitha a/p Palaniveloo Pn Munawara Pardi Pn Syafinaz Sallehuddin Pn Siti Balkish Shafie En Lai Wai Kent Cik Suhainita Md Pazil Cik Azza Liza Zainal En Muhammad Khairani Izwan Mohd Ruslan Pn Hasnita Md Jaafar@Jaafar Pn Siti Nor'Ain Hashim En Mohd Rizal Mohamad Rodzi En Zulqarnain Baharau En Sulaiman Harun En A,fian Zaidi Mohd Yusof En Kelly Ngit Khang / Eddy En Andy Mustaming En Mohd Zaki Harun Pn Nik Fajariah Nik Mustaff En Mohamad Aznuddin Abd Razak Dr Muhammad Solihin Rezali En Mizanurfakhri Ghazali Pn Rosmanajihah Mat Lazim</p>

Opening & Closing Committee:

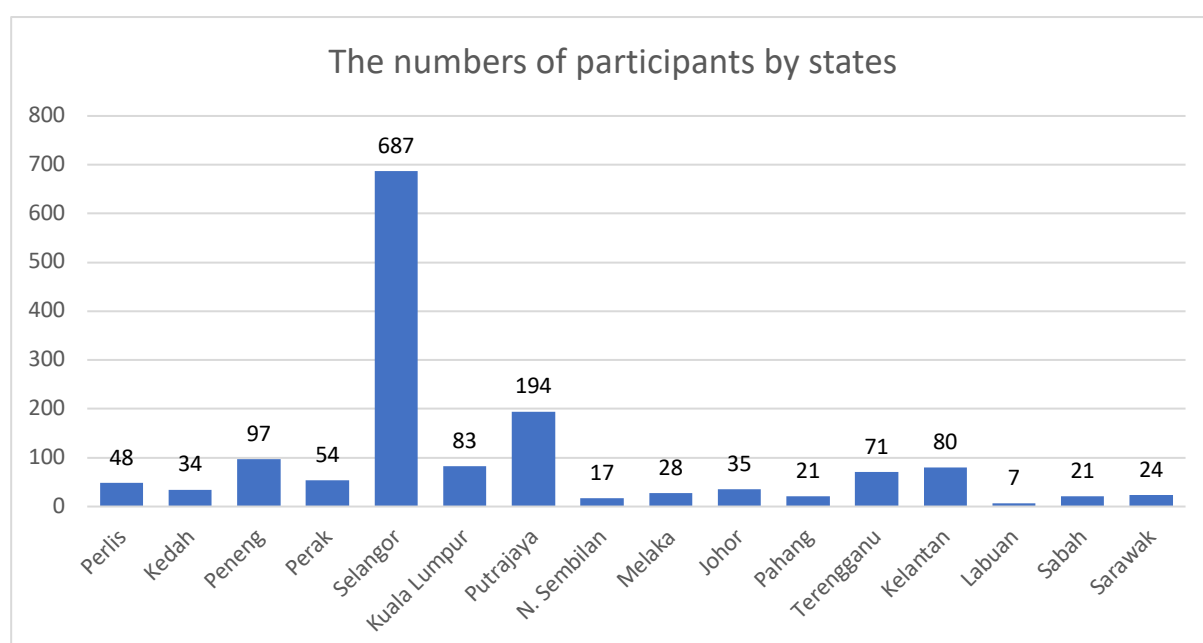
Dr Nur Liana Ab Majid (Head)
Dr Muhammad Fadhli Mohd Yusoff (Advisor)
Dr Halizah Mat Riffin
Pn Wan Shakira Rodzlan Hasani
En Mohd Ruhaizie Bin Riyadzi
Pn Hamizatul Akmal Abd Hamid
Dr Tania Gayle Robert Lourdes
Dr Thamil Arasu Saminathan
En Hafis Zuhdi Badrul Hisham (EmCee)
En Muhammad Taufiq Mohd Subri

4.0 REPORTS FROM COMMITTEES

4.1 REGISTRATION COMMITTEE

The registration committee is responsible to manage registration process for all participants for 22nd NIH Scientific Conference. The committee helped to register participants from NIH through back-end registration and managed all enquiries with regards to registration process.

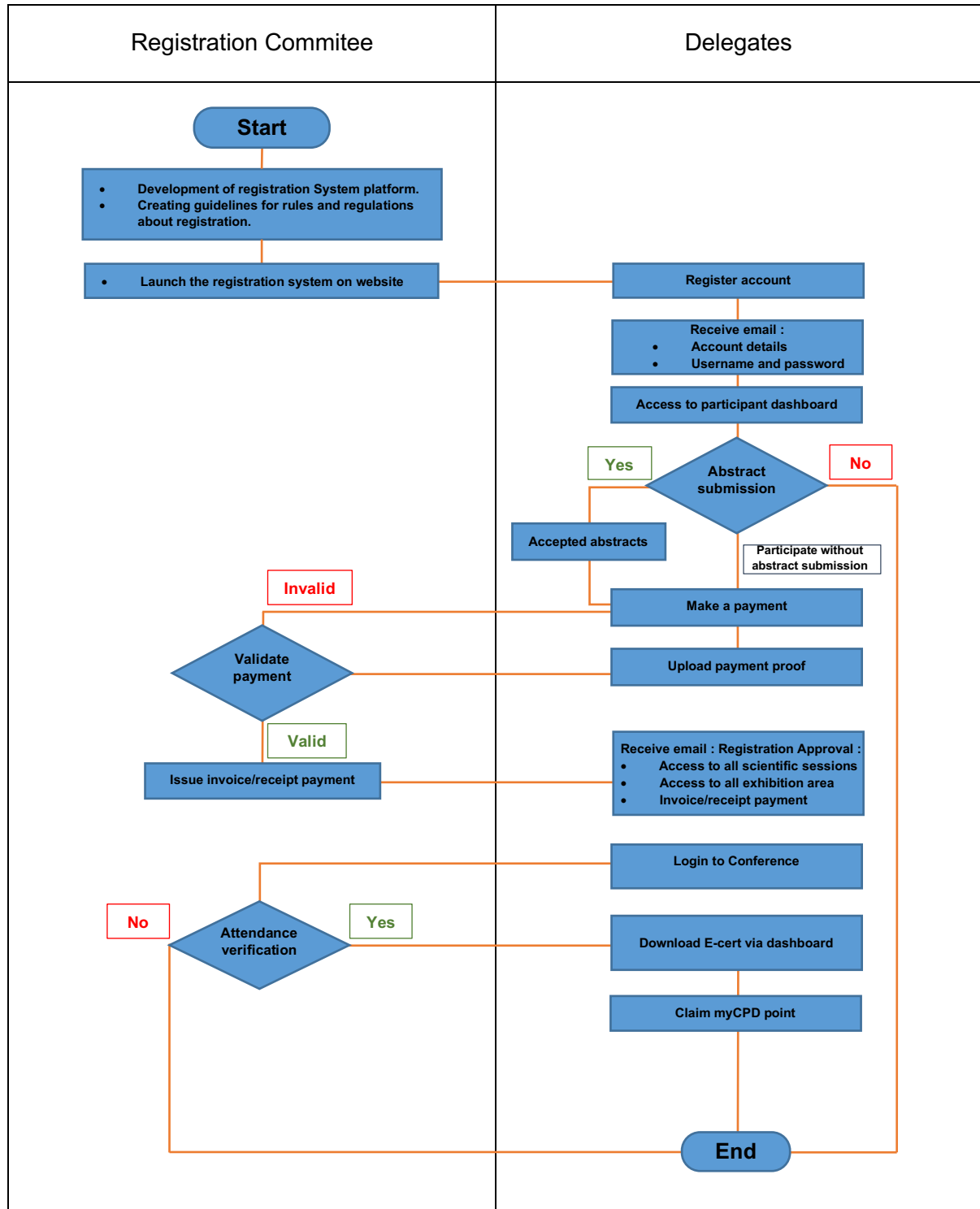
The Virtual conference brought together 1501 participants from Malaysia. Majority of the participants were from Ministry of Health Malaysia, Academicians and student form both local and private universities and private medical company. Below are the numbers of the participants by states.



Allocation of participants based on MOH/Non-MOH

Agencies/ MOH/ University	Number of participants
MOH (NIH)	507
MOH (Non-NIH)	928
University	37
Student	19
Private company	10

Flowchart for registration committee and delegates



Rules and regulation about conference registration.

REGISTRATION FEES

Category	Early Bird 15 July 2021	Normal 16 July 2021
Local Delegates	RM 150.00	RM 200.00
International Delegates	USD 50.00	USD 100.00

BANK DETAILS

If you are making payment via telegraphic transfers, bank charges are to be borne by the delegate. All payment must be made to the following account:

Account Detail :

Account Name : ASIA-PACIFIC ACADEMIC CONSORTIUM FOR PUBLIC HEALTH (APACPH) KUALA LUMPUR
Account number : 794-1-9473828-9
Bank Name : Standard Chartered Bank Malaysia Berhad
Bank Address : Standard Chartered Bank Malaysia Berhad,
30, Jalan 52/4, Pj New Town, Selangor.
SWIFT Code : SCBLMYKXXXX

E-Perolehan detail:

Nama Syarikat : ASIA-PACIFIC ACADEMIC CONSORTIUM FOR PUBLIC HEALTH (APACPH) KUALA LUMPUR
No. Pendaftaran Syarikat : PPM-007-14-17092013
No. ePerolehan : eP-1400K0029

PAYMENT METHOD

- Payment for the registration fee can be made via bank transfer /wire transfer, or credit card through our online payment gateway. For Malaysia government agencies, payment by LPO (e-perolehan) is accepted.

CANCELLATION

- **Cancellation received ON or BEFORE 20 August 2021**
Refund of the registration fee minus an administrative charge of 15%. All refunds will be processed after the conference.
- **Cancellation received AFTER 20 August 2021 or NO SHOW**
No refund will be made. Nevertheless, a substitute delegate will be most welcome (kindly refer to the Name Change / Substitution' clause below for further information).

MISCELLANEOUS

- **NAME CHANGE / SUBSTITUTION**

All registrations are only valid for the respective person mentioned in the Registration Form. A registered delegate unable to attend the conference may nominate a substitute delegate by notifying the secretariat in writing via email to nihconference@moh.gov.my by **3rd September 2021** with complete information as required in the online registration form.

E-CERTIFICATE OF ATTENDANCE

- An e-certificate of attendance will be issued to all delegates after the conference via the conference website. Delegates required to login and download the certificate.

myCPD

- 20 points for 3 full days (5-8 hours/ day).

EXHIBITION AND SPONSORSHIP ENQUIRY

- To receive information regarding exhibition and sponsorship, please contact the conference secretariat at nihconference@moh.gov.my.

LIABILITY

- The Organising Committee will not be liable for personal accidents, loss or damage to private property of the participants during the duration of the conference. Participants should make their own arrangements.

DISCLAIMER



- Whilst every attempt is made to ensure that all aspects of the conference as mentioned in this announcement will take place as scheduled, the Organising Committee reserves the right to make last-minute changes should the need arise.

Technical problems and solutions

Technical problems		Solutions
Registration committee	Delegates	
Registration and email		
<ul style="list-style-type: none"> The 1st registrations system having security operation centre (SOC) issue with MAMPU: MyGovUC (moh.gov.my) delegates unable to receive email notification from system. Disallow sending out reminder email for delegates due to registration form were made without consent of Personal Data Protection Act 2010 Malaysia (PDPA). 	<ul style="list-style-type: none"> Delegates who register using MyGovUC email (moh.gov.my) fail to receive email notification from system. All email notification from system to delegates were detect as SPAM email or being block by delegates email. 	<ul style="list-style-type: none"> Shutdown the 1st registration system and replacement were made within 7 working days. Requested to whitelist email address : do_not_reply@nihconference.nih.gov.my from server : nihconference.nih.gov.my for MyGovUC delegates (avoid SPAM email). Follow up by alternative email and phone call for non-MyGovUC delegates.
Payment platform		
<ul style="list-style-type: none"> Need to apply SSL/TLS certificate in server for secure payment for domain server. Having problem to integrate Stripe (payment platform) in system. Credit card payment was delay for 14 days. 	<ul style="list-style-type: none"> Payment were made manually via bank transfer. Payment proof need to upload to system manually. Asking for option payment via credit card and receipt/invoice payment. 	<ul style="list-style-type: none"> Application for SSL/TLS certification were send to STM NIH Payment process via bank transfer remain manually for entire registration period. Programing to integrate strip were solve in 14 days (only work for credit card payment). receipt/invoice were issued manually as per request from delegates.
Payment by LPO (e-perolehan)		
<ul style="list-style-type: none"> LPO were submitted without delegates information. Delegates was not aware that been listed to attending the conference. 	<ul style="list-style-type: none"> Delaying registration Registration without payment proof. Duplicate account Issue. Person in charge delaying registration. Request options for group register in system. 	<ul style="list-style-type: none"> Contact person in charge and inquiry information via email. Reminder and follow up all delegates to register in system. Backend registration were made by committee to solve group registration issue.

Conference certificates

The e-certificate are designed based on conference theme. All e-certificate were managed by registration committee and generated by system with different categories based on delegates' participation. Below are the details of certificates by categories.

E-Certificate of attendance	Detail
 <p>CERTIFICATE OF ATTENDANCE</p> <p>This certificate of attendance is awarded to NAME for participating in the 22ND NIH SCIENTIFIC CONFERENCE Heal, Innovate, Change and Improve for a Healthy Nation 21-23 September 2021 National Institutes of Health, Setia Alam</p> <p>DR NOOR ANI AHMAD Director, Institute for Public Health Chairperson Organising Committee 22nd NIH Scientific Conference</p> <p>PROF DR MAZNAH DAHLUI APACPH Vice President Administration and Regional Director Malaysia APACPH-KL Secretary</p> <p>www.nihconference.nih.gov.my</p>	<p>Requirement:</p> <ul style="list-style-type: none"> • Paid registration fee • Delegates who attend 3 days conference with 5-8 hours/day. <p>Information needed</p> <ul style="list-style-type: none"> • Delegates name
 <p>CERTIFICATE OF MERIT</p> <p>This certificate of merit is presented to NAME for type presentation title TITLE</p> <p>22ND NIH SCIENTIFIC CONFERENCE Heal, Innovate, Change and Improve for a Healthy Nation 21-23 September 2021 National Institutes of Health, Setia Alam</p> <p>DR NOOR ANI AHMAD Director, Institute for Public Health Chairperson Organising Committee 22nd NIH Scientific Conference</p> <p>PROF DR MAZNAH DAHLUI APACPH Vice President Administration and Regional Director Malaysia APACPH-KL Secretary</p> <p>www.nihconference.nih.gov.my</p>	<p>Required :</p> <ul style="list-style-type: none"> • Paid registration fee <p>Information needed :</p> <ul style="list-style-type: none"> • Delegates name • Type of abstract (Oral/Poster) • Abstract ID • Abstract title

E-Certificate of Best Paper Award

Detail



Requirement :

- Abstracts that been accepted by scientific committee and with paid registration fee.
- Winners from each tracks or categories.

Information needed :

- List of winners
- Type of abstract (Oral/Poster)
- Abstract title

E-Certificate of appreciation

Detail



Requirement :

- Person with appointed role or contribution in conference.

Role :

- Organising committee
- Jury/judge
- Plenary chairperson
- Plenary speaker
- Symposium chairperson
- Symposium speaker
- Abstracts reviewer

Information needed :

- Name
- Role

4.2 SCIENTIFIC COMMITTEE

The Scientific Committee was tasked to draw out and carry out the conference program for the 22nd NIH Scientific Conference. This included creating the program structure, structure, topics of the program and identifying and approaching speakers for the conference. The committee also coordinated the abstract submission, review and display of e-poster and oral video presentation for the conference.

The committee consisted of members from each institute of NIH, as well as members of APACPH-KL. Close coordination and teamwork was established to coordinate the event for the conference.

The conference consisted of two plenary sessions, two Round Table Discussion (RTD) and six symposiums as per described below;

Plenary 1: Where are the Health Systems Challenges?

Chairperson: Dr Noor Ani Ahmad - Director of Institute for Public Health, National Institutes of Health

Speaker: Prof. Daniel Reidpath - Senior Director, Health Systems and Population Studies Division, Bangladesh

Plenary 2: The Global Economy in The Post Covid-19 Era

Chairperson: Dr Nor Izzah Haji Ahmad Shauki - Director of Institute for Health Systems Research, National Institutes of Health

Speaker: Prof Dr Jomo Kwame Sundaram - Fellow, Academy of Science, Malaysia, Emeritus Professor, University of Malaya, Senior Adviser, Khazanah Research Institute, and Fellow, Initiative for Policy Dialogue, Columbia University

Round Table Discussion 1: Heal, Innovate, Change and Improve for a Healthy Nation: Strengthening the Health Promotion Agenda

Breaking old habits, creating healthy ones and maintain it can be challenging and even discouraging at times especially within current pandemic situation. However, it's not impossible. Let's explore into behavioural insights that can help you enact healthy change in your life, no matter what change (or changes) you'd like to make with panels of expert in human behaviour, public health and health promotion.

Moderator: Dr Manimaran Krishnan - Director of Institute for Health Behavioural Research, National Institutes of Health

Panelists:

- Prof. Emeritus Dr. Samsudin b. A.Rahim - Faculty of Social Sciences and Humanities, National University of Malaysia
- Prof. Dato' Dr. Lokman Hakim bin Sulaiman - International Medical University, Kuala Lumpur
- Dr Vanitha Subramaniam - Senior Principle Assistant Director, Population Wellness Branch, Health Education Division, Ministry of Health Malaysia

Round Table Discussion 2: Vaccine Development: Where Are We and Are We Ready?

Effective vaccines are critical to ending the COVID-19 pandemic. There has never been any human vaccine produced and manufactured in Malaysia. We do not want total dependency on others, we need to stand on our own and be prepared for future pandemics. By doing R&D in developing vaccines we will be better prepared.

Moderator: Dr Norazah Ahmad - Head of Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health

Panelists:

- Dr Masita Arip - Head of Allergy and Immunology Research Centre, Institute for Medical Research, National Institutes of Health
- Dr Ravindaran Thayan - Head of Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health
- Dr Rozainanee Mohd Zain - Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health

Symposium 1: Bioethics and Research Integrity in a Pandemic to Improve Health Outcomes

In the times of unknown, medical professionals will have to make important decision with little evidence and support. This is especially true during a public health emergency like we are currently facing. Hence, bioethics can act as a guide in not only clinical decision making and policy changes, but also in ensuring medical researches are being conducted with a high integrity and ethical standard.

Chairperson: Dr Hjh Salina Abdul Aziz - Chairperson of National Committee on Ethics and Research, Ministry of Health Malaysia

Speakers:

1. Bioethics Guidance in a Pandemic: Dr Tan Hui Siu - Head of Hospital Ethics Support Service, Co-Chair of Clinical Ethics Committee, Hospital Ampang
2. Ethical Standards and Their Application to Research During Public Health Emergencies: Dr Nishakanthi Gopalan - MOHRE Programme Manager Faculty of Medicine, University of Malaya

Symposium 2: Constant of change: Communicable diseases amidst COVID-19 pandemic

In the midst of the COVID-19 pandemic, a nationwide population-based survey was conducted in 2020 to assess the burden of selected communicable diseases that had adapted to new standard data collection strategies. Due to the intricacies of COVID-19 outbreak management, applying research skills is critical to mitigating the outbreak.

Chairperson: Dr Chong Zhuo Lin - Head of Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health

Speakers:

1. Field survey implementation for NHMS survey during COVID-19 pandemic: Mr Mohd Hatta Abdul Mutalip - Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health

2. Hepatitis B and C burden in Malaysia: Are We Ready to Eliminate Hepatitis by 2030?: Ms Hasmah Mohamed Haris - Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health
3. HIV: Knowledge & stigma in Malaysia: Dr Mohd Shaiful Azlan Kassim - Head of Centre for Family Health Research, Institute for Public Health, National Institutes of Health
4. COVID-19: Applying Research Skills to Practice: Dr Noor Aliza Lodz - Centre for Communicable Diseases Research, Institute for Public Health, National Institutes of Health

Symposium 3: Next Frontier in Public Health

COVID-19 continues to pose novel challenges to many health systems around the world. This pandemic teaches us that health education and promotion need to recognize future preparedness plans and use a whole-of-community approach in its planning. Public health genomics for medical therapies and disease prevention approaches creates new opportunities to curb the disease at the individual and community levels. The rise of artificial intelligence will challenge the dominance of statistical learning and facilitates decision making in public health.

Chairperson: Prof Victor Hoe - Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya

Speakers:

1. Genetic Applications in Disease Prevention: Prof Yik-Ying Teo - Dean, Saw Swee Hock School of Public Health, National University of Singapore
2. Public Health Education and Promotion: Prof Datuk Dr Awang Bulgiba Awang Mahmud - President of the Asia-Pacific Academic Consortium for Public Health-KL (APACPH-KL)
3. Big Data Analytics in Public Health: Prof Dr Sanjay Rampal - Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya

Symposium 4: Healthcare Landscape in Malaysia: Threats and Neglected Diseases

Infectious diseases have been with us for centuries and are among the leading causes of death and disability and pose a growing challenge to the security of human health and progress. The threat posed by infectious diseases is further deepened by the continued emergence of new, unrecognized, and old infectious disease epidemics of global impact. Constant awareness and pursuance of effective strategies for controlling infectious diseases and disease emergence thus remain crucial.

Chairperson: Dr Norazah Ahmad - Head of Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health

Speakers:

1. Viral Diseases: Future Pandemic; Are we prepared?: Dr Ravindran Thayan - Head of Virology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health
2. Asymptomatic Dengue: Is it a threat or we neglected?: Dr Ahmad Faudzi Yusoff - Head of Secretariat for Training, National & International Collaboration, Institute for Medical Research, National Institutes of Health
3. Ticks and Tick-Borne Pathogens in Malaysia: Will it be A Growing Public Health Threat?: Dr Mariana Ahamad - Head of Acarology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health
4. Melioidosis, The Threat is Undeniable: Dr Rohaidah Hashim : Bacteriology Unit, Infectious Disease Research Centre, Institute for Medical Research, National Institutes of Health

Symposium 5: Strengthening Health Systems Research: Engaging Healthcare Workforce, Policy Makers and Technology

A well-functioning health systems working in harmony is built on having trained and motivated health workers, well-maintained infrastructures, and a reliable supply of medicines and technologies, backed by adequate funding, strong health plans and evidence-based policies. Every component is interconnected, influenced by its environment, defined by its structure and purpose, and expressed through its functioning.

Chairperson: Dr Kalvina Chelladorai - Centre for Health Services Research, Institute for Health Systems Research, National Institutes of Health

Speakers:

1. Health Policy and Systems Research for Health System Strengthening: Dr Katherine Ann Reyes - College of Public Health, University of the Philippines Manila
2. Delivering Healthcare Intervention: Why Implementation Research is Needed: Dr Nur Hidayati Abdul Halim - Centre for Health Policy Research, Institute for Health Systems Research, National Institutes of Health
3. Implementation Research: Lessons from Capacity Building in the Southeast Asian Region: Assoc. Prof Dr Yodi Mahendradhata - Vice Dean, Faculty of Medicine, University Gadjah Mada
4. AI Application in Health System Research: Where does Malaysia stand, and where can we go?: Dr Lim Wern Han - School of Information Technology, Monash University

Symposium 6: Improving Mental Health Delivery using Digital Technology

The COVID-19 pandemic and associated lockdowns left more patients in need to move away from in-person care. Because of the pandemic, virtual care and other digital tools are more important than ever in supporting existing care, providing scale and increasing capacity, including mental health services. Using digital tools and virtual care, we will be able to meet the community's mental health needs more effectively.

Chairperson: Dr Chan Yee Mang - Center for Burden of Diseases Research, Institute for Public Health, National Institutes of Health

Speakers:

1. Mental health issues in Malaysia and Digital Technology Adoption to Enhance Research: Dr Hj Abdul Kadir Abu Bakar - Regional Vice President, World Association of Psychiatric Rehabilitation
2. The Role of Social Media in Reducing Mental Health Stigma and Discrimination: Experiences from Malaysian NGO: Ms Anita Abu Bakar - President of Mental Illness Awareness & Support Association (MIASA)
3. Digital Technology and Prevention in Mental Health: Experiences from Malaysian NGOs: Mr Johan Amilin Abdul Samad- Deputy Chairperson of the Befrienders Kota Kinabalu

Poster and Oral Presentation

There were 452 abstracts accepted for presentation, with 88 oral presentations and 364 E-Poster presentations. All abstracts were published in September 2021 supplement issue of the Journal of Health Management.

a) The 5 oral presentation winners were:

- Self-Reported Musculoskeletal Disorders Among Dentists Working in Ministry of Health, Malaysia: Dr. Ainon Natrah Aminuddin - Kuantan Dental Health Clinic
- Comparing Algorithmic Vs Parametric Models to Measure Hospital Standardized Mortality Ratio: Calyn Tan Jen Ai - Pejabat Pengurus, NIH
- 6 Months Follow-Up Chest CT in Covid-19 Survivors: A Retrospective Cohort: Mohana Letchumanan - Hospital Tawau
- Association of Genetic Variants in FCAR Gene and Soluble CD89-IgA with Risk of IgA Nephropathy in Malaysian Population: Tan Lay Kim – Institute for Medical Research
- Association Between Exposure to Air Pollution and Late-Life Neurodegenerative Disorders: An Umbrella Review: LeeAnn Tan – Institute Public Health

b) There were 20 winners for poster presentations:

- Track 1:
 - Seroconversion And Seroreversion in Rheumatoid Factor (RF) Isotypes and Anti-Cyclic Citrullinated Protein: Too Chun Lai – Institute for Medical Research
 - Chi-Square Automatic Interaction Detection (CHAID) Modelling for Predicting Depression Among School-Going Adolescent in Malaysia: Hamizatul Akmal – Institutes for Public Health
 - The Prevalence of Erectile Dysfunction and Its Associated Factors Among Malaysian Men: Findings from NHMS 2019: Chong Zhuo Lin - Institutes for Public Health
 - Mental Health Outcomes During the Covid-19 Pandemic: Findings from Mental Health and Psychological Support Services at Quarantine Centres: Siti Sarah Yaacob – Jabatan Kesihatan Negeri Selangor
 - Risk Factors Associated with Falls in Older Persons with Dementia in Malaysia: Norazizah Ibrahim Wong – Pejabat Pengurus NIH
- Track 2:
 - Cost-Effectiveness Analysis of Pneumococcal Vaccination Among Hajj Pilgrims in Malaysia: Farhana Aminuddin – Institute for Health System Research
 - Assessment of Inequality in Inpatient Utilisation in Malaysia Using National Representative National Health & Morbidity Surveys (NHMS) From 1986 To 2019: Adilius Manual – Institutes for Health System Research
 - Role of Media in Managing Covid-19 And Human Behaviour: A Discourse Analysis on Reported Media in Malaysia: Masitah Ahmad – Institutes for Health Behaviour Research
 - The Association Between Urinary Incontinence and Quality of Life Among Elderly in Malaysia: Muhd Hafizuddin Taufik Ramli – Institutes for Public Health
 - Trends In Prevalence and Awareness of Diabetes Mellitus Among Adults in Malaysia Between 2011 And 2019: Thamil Arasu Saminathan - Institutes for Public Health
- Track 3:
 - Perceived Effectiveness of the Pictorial Health Warnings on Cigarette Packs in Malaysia: Ainun Mardiah Meor Amir Hamzah – Klinik Pergigian Pasir Akar, Besut, Terengganu

- Traumatic Events at Work: Does It Affect Our Nurses?: Nursyahda Zakaria – Institutes for Health Management
- Natural Killer Cells Expanded from Human Umbilical Cord Blood Exhibited Cytotoxicity Effect Against Leukemia Cells: Lim Moon Nian – Institutes for Medical Research
- Prevalence And Predictors of Overweight and Obesity Among Adolescents in Seremban, Negeri Sembilan: Lai Wai Kent - Institutes for Public Health
- SiRNA Knockdown of RAD54L Inhibits Cell Proliferation and Induces Apoptosis in KMS-28Bm Human Multiple Myeloma Cells: Ivyna Bong Pau Ni – Institutes for Medical Research
- Track 4:
 - Whole Exome Sequencing Identifies a Novel Stopgain Mutation in PKD2 Gene in A Patient With ADPKD: Koay Bee Tee – Institute for Medical Research
 - Epidemiology of Mortality Among Tuberculosis Patients on Treatment in Terengganu State of Malaysia: Hafizuddin Awang – District Health Office Besut, Terengganu
 - Preliminary Surveillance Report: Covid-19 Vaccine-Induced Antibody Response Among Workers in The National Institutes of Health (NIH), Malaysia: Masita Arip – Institutes for Medical Research
 - Brucea javanica Antiproliferative Activity on Androgen Independent Prostate Cancer Cell Lines: Nur Hana Md Jelas - Institutes for Medical Research
 - Prevalence and Sociodemographic Determinants of Functional Difficulty Among Children in Malaysia: Findings from The National Health and Morbidity Survey (NHMS) 2019 – Chan Ying Ying - Institutes for Public Health

4.3 SPONSORSHIP AND FUNDING COMMITTEE

Background

The Sponsorship and Funding Committee was responsible for generating financial resources to support the 22nd NIH Scientific Conference through an attractive sponsorship prospectus (sponsorship program). The main sources of incomes are via sponsors' virtual booth and e-book advertisement. The committee members consisted of representative from various institutes.

Work Flow and Timeline

The work flow and timeline were as follow:

Activities		2021				
		May	June	July	August	Sept
1	Obtaining list of potential sponsors & sponsorship prospectus preparation					
2	Invitation to the potential sponsors via email, website, phone contacts, whatsapp					
3	Receiving feedback from the potential sponsors whether agree or not					
4	Processing of sponsorship request by Admin / Finance					
5	Payment received by Finance					
6	Booth preparation (sponsors submit the documents needed e.g. company logo, advertisement, posters, flyers, social media posts, etc.)					
7	Booth review					
8	Virtual booth completed					

Sponsorship Prospectus

To ensure good number of sponsors joining the conference, the sponsorship prospectus must be attractive enough. Thus, below are the proposed sponsorship plan after discussion with the committee team members.

The 22nd NIH Scientific Conference 2021 offered opportunities for sponsorship at the following levels:

- Platinum (RM20,000)
- Gold (RM10,000)
- Silver (RM5,000)

- Exhibitor (RM2,000)
- Advertiser (RM1,000)

Each package included exclusive sponsorship of a unique aspect of the conference (e.g: pre-advertising, on-site promotion, corporate video, attendance sponsorship, online networking, etc).



Platinum sponsor was entitled to get:

- Pre-event advertising / website
 - Company logo included in all event collaterals including conference virtual lobby, and sponsor section (with web link), brochure, flyers, etc.
- Prominent Presence at the virtual exhibition hall
 - Logo and “virtual booth” to show at the exhibition landing page.
 - Dedicated web page with sliding panels, corporate video, infographics, product listings/demo, networking facilities such as chat and email (available for duration of conference only).
- Additional benefits
 - Advertisement in the e-program book (B5 size, portrait layout).
 - Logo on sponsor acknowledgement in e-program book.



Gold sponsor was entitled to get:

- Pre-event advertising / website
 - Company logo included in all event collaterals including conference virtual lobby, and sponsor section (with web link), brochure, flyers, etc.
- Prominent Presence at the virtual exhibition hall
 - Dedicated web page with sliding panels, corporate video, infographics, product listings/demo, networking facilities such as chat and email (available for duration of conference only).
- Additional benefits
 - Advertisement in the e-program book (1 full page).
 - Logo on sponsor acknowledgement in e-program book.



Silver sponsor was entitled to get:

- Pre-event advertising / website
 - Company logo included in all event collaterals including conference virtual lobby, and sponsor section (with web link), brochure, flyers, etc.

- Prominent Presence at the virtual exhibition hall
 - Dedicated web page with sliding panels, corporate video, infographics, product listings/demo, networking facilities such as chat and email (available for duration of conference only).
- Additional benefits
 - Advertisement in the e-program book (1 full page).
 - Logo on sponsor acknowledgement in e-program book.



Exhibitor sponsor was entitled to get:

- On-site promotion
 - Company logo included in on-site conference virtual lobby.
 - Company will be listed on the exhibitor list which will be displayed on the virtual exhibition hall landing page.
- Presence at the virtual exhibition hall
 - Dedicated web page with product listings, networking facilities such as chat and email (available for duration of conference only).
- Additional benefits
 - Logo on sponsor acknowledgement in e-program book.



Advertiser sponsor was entitled to get:

- Pre-event advertising / website
 - Company was listed at the virtual exhibition hall under advertiser section.

- On-site promotion
 - Company's advertisement included in the conference e-program book (1 full page).
- Presence at the virtual exhibition hall
 - E-program book was prominently displayed at the virtual exhibition hall.

Below is the summary of the proposed sponsorship packages:

Sponsorship Packages	PLATINUM RM 20,000	GOLD RM 10,000	SILVER RM 5,000	EXHIBITOR RM 2,000	ADVERTISER RM 1,000
	Pre-event advertising/ website				
logo with web link in conference virtual lobby	✓	✓	✓		
logo in conference virtual lobby	✓	✓	✓	✓	✓
Virtual exhibition hall					
virtual booth	✓	✓	✓	✓	
personalized web page	✓	✓	✓	✓	
networking facilities	✓	✓	✓	✓	
Other benefits					
e-program book advertisement	✓	✓	✓		
Logo sponsor acknowledgement in e-program	✓	✓	✓	✓	✓
Logo sponsor acknowledgement in virtual lobby	✓	✓	✓	✓	✓

OUTCOMES:

List of Sponsorship and Funding

1. Main Sponsor

No	Company/Institution Name	Sponsor Prospect	Sponsorship (RM)
1.	HSBIO	PLATINUM	20,000
2.	CITYMEDIC	GOLD	10,000
3.	TOP GLOVE	SILVER	5,000
4.	SINAR JERNIH	SILVER	5,000



HSBIO virtual booth



CityMedic virtual booth



Top Glove virtual booth



Sinar Jernih virtual booth

2. Exhibitors

No	Company/Institution Name	Sponsor Prospect	Sponsorship (RM)
1.	PHARM-D	EXHIBITOR	2,000
2.	BAYERS	EXHIBITOR	2,000
3.	CLINICAL RESEARCH MALAYSIA (CRM)	EXHIBITOR	2,000
4.	ABBIE ALLERGEN	EXHIBITOR	2,000



Pharm-D and Abbie Allergan virtual booth



CRM and Bayers virtual booth

3. Advertisers

No	Company/Institution Name	Sponsor Prospect	Sponsorship (RM)
1.	BIOMICS SOLUTION	ADVERTISER	1,000
2.	NOVARTIS	ADVERTISER	1,000
3.	NOVARTIS	ADVERTISER	1,000
4.	NANO LIFE QUEST	ADVERTISER	1,000



Advertisements in e-book by Advertisers

Visitors Statistics for 22nd NIH Scientific Conference for Sponsors Virtual Booth

Each sponsors' virtual booth visitors were recorded. Table 4 tabulates each virtual booth statistics during conference day (21- 23 September 2021). The visitors' views were highest among main sponsors (Platinum, Silver & Gold Sponsors). The average engagement time varied from 20.6 minutes to 46.1 minutes. Event count was again highest among main sponsors (Platinum, Silver & Gold Sponsors).

Analytics Report for 22nd NIH Scientific Conference Sponsors

No	Sponsors Booth	Views	Users	New Users	Views per user	Average Engagement Time (mins) *	Unique User Scrolls **	Event Count ***
1.	HS Bio (Platinum Sponsor)	498	361	26	1.4	46.1	213	1,382

2.	Top Glove (Silver Sponsor)	266	144	4	1.8	46.1	107	711
3.	City Medic (Gold Sponsor)	234	179	4	1.4	42.0	118	686
4.	Bayers (Exhibitor)	117	73	1	1.6	31.5	57	378
5.	Pharm-D (Exhibitor)	107	83	2	1.3	49.5	60	299
6.	Clinical Research Malaysia (CRM)Exhibitor)	86	73	-	1.2	34.5	57	240
7.	Abbie Allergan (Exhibitor)	81	72	1	1.1	20.6	53	239
8.	Sinar Jernih (Silver Sponsor)	65	36	3	1.8	96.6	26	175

Note:

- * Average engagement time - time spent by visitor at your booth
- ** Unique user scrolls - tracks how far people scroll down your webpage
- *** Event count - total number of hits within web page.

Challenges and limitations

There were several challenges faced by the committee team members in every step. In obtaining list of potential sponsorship, the team faced difficulties in which there were no database of potential sponsors. There was also no proper brochure for virtual conference.

During invitation to potential sponsors, there were difficulties to obtain person-in-charge contacts and it was not proper to use personal email / phone / whatsapp. When the invitation email was sent using nihconference@moh.gov.my, several emails were categorized as spam and several were undelivered.

Some companies were uncertain to give feedback within 1 month before conference date because they need to confirm with their higher management. There was bureaucracy & complicated process from each sponsor company.

The committee finance team needed to verify every transaction with APACPH bank account because the payment was transferred to APACPH bank account. Some companies made payment via cheque (no company name). Some companies needed at least 90 days to release payment.

During booth preparation, sponsors requested longer time to prepare documents as they were unfamiliar with virtual booth. Some documents for virtual booth needed technical explanation and each sponsors demanded different designs / contents.

During booth review, subsequent comments / requirements from sponsors required extra time & effort.

Recommendation

From current experience, the committee team members suggest a few recommendation to be done in the next virtual conference:

- i. The existing database of potential sponsors that has been created in online google sheet should be updated from time to time.
- ii. The current brochure (sponsorship prospectus) must be improved in order to get more sponsors.
- iii. Email / registry must be user-friendly.
- iv. There must be an APACPH representative in the sponsorship committee.
- v. Report and record on numbers of delegates and attendees of the current conference should be kept and easily available for sponsorship purposes i.e. total participants, professional categories attended, speakers, topics, previous sponsors' company list etc.
- vi. There must be adequate time frame in order for sponsorship committee to work more effectively e.g. 9 months from conference date.

4.4 LOGISTIC AND TECHNICAL COMMITTEE

The Logistic and Technical Committee was responsible to support and assist the vendor in term of preparation the platform, system, server and other logistic arrangement to assure that this virtual conference run smoothly. The committee also coordinate all recording sessions for plenary, symposium, round table discussion and keynote address prior to the conference. In addition, food and beverages arrangement also fell under the Logistic and Technical Committee.

The committee helped to facilitate the vendor with regards to platform system such as;

- a) Conference management system by datangen.com was used for:
 1. Delegate Registration
 2. Abstract Submission
 3. Abstract Reviewer
 4. Virtual Platform
 - 4.1 Lobby Navigation
 - 4.2 Lecture Hall
 - 4.3 Exhibition Hall
 - 4.4 Poster Hall
 - 4.5 On-Demand
 - 4.6 Questions by Delegates
 5. Attendance Certificate Auto Generation
 6. Delegate Survey
 7. Admin Management
 - 7.1 Manage Registration
 - 7.2 Manage Abstract
 - 7.3 Create Reviewer
 - 7.4 Assign Abstract
 - 7.5 View Survey
 - 7.6 Manage Questions
 - 7.7 Upload Additional Documents to Delegate
 - 7.8 Track Delegate Movement
- b) Cloud server using Microsoft Azure to manage concurrent user
- c) Video conferencing using Zoom for live
- d) Helpdesk using Tawk.to
- e) Question and answer (Q&A) session using Slido and datagen system

Conference management system

Traditional conference management depends on manual operations. In the mid 90s, email became a reliable and cost-effective way to send binary file attachments and it opened the possibility of sending papers electronically. The COVID-19 pandemic and the resulting stay-at-home orders have led to significant changes in the way people work. This conference was conducted virtually using conference management system developed by local vendor (datangen.com). The system was divided to 3 sub-system that is registration, abstract submission and virtual platform.

Recording video session

All plenary and symposium were planned to be recorded before the Conference. Recording session was planned one month prior to the event. Speakers were invited to IKU for the onsite recording from 23 to 27 August 2021. For speakers who are not able to come, we have set one week from 30 August - 3 September 2021 for the online Zoom recording.

However, only Prof Jomo (speaker plenary 2) and chairperson symposium 3 (Prof Victor) chose to go live during the event. All Q&A session and round table discussion (RTD) was plan to be conducted in live session.

Onsite recording : 23-27 August 2021

Waktu	23.08.2021 (Isnin)	24.08.2021 (Selasa)	25.08.2021 (Rabu)	26.08.2021 (Khamis)	27.08.2021 (Jumaat)
9.00 - 9.30am	Dr Chong Zhuo Lin	IHSR	Bacaan Doa	Dr Nor Izzah Ahmad Shauki	Dr Kadir (Symposium 6)
9.30 - 10.00am					
10.00 - 10.30am	Dr Noor Ani Ahmad	IHSR (Dr Nurhidayati)	Prof Teo (Symposium 3), Singapore	Dr Chan Yee Mang	
10.30 - 11.00am					
11.00 - 11.30am		IHSR (Dr Kalvina)	Dr S Asmaliza	Dr Noor Aliza Lodz	En Johan (Symposium 6)
11.30 - 12.00pm					
12.00 - 12.30pm		IHSR (Prof Yodi) Indonesia	Dr Tahir (12.30pm)	Pn Hasmah Mohamad Haris	
12.30 - 1.00pm					
1.00 - 2.00pm	Rehat				
2.00 - 2.30pm		Prof Awang (Symposium 3)	IMR (Symposium 4)	Dr Mohd Shaiful Azlan Kassim	Dr Nor Hayati (IHM)
2.30 - 3.00pm					
3.00 - 3.30pm		Dry run RTD 2 (IMR)	IMR (Symposium 4)	En Mohd Hatta Abdul Mutalip	
3.30 - 4.00pm					

* Highlighted in yellow are the sessions conducted via zoom recording

Online Zoom Recording : 30 August - 3 September 2021

Waktu	30.08.2021 (Isnin)	01.09.2021 (Rabu)	02.09.2021 (Khamis)	03.09.2021 (Jumaat)
9.00 - 10.00am				
10.00 - 11.00am		Datuk Dr Nor Asiah - Attending in IKU	Dr Lim (Symposium 5) Monash - Dry run	
11.00-12.00pm		Prof Dr Maznah Dahlui		Tan Sri Dato' Seri Dr Noor Hisham
12.00-1.00pm			Dr Reyes (Symposium 5) Philippines - Dry run	(On-site recording in Putrajaya)
1.00-2.00pm	Rehat			
2.00-3.00pm	Dry run for symposium 1: Bioethics		Prof Sanjay (Symposium 3)	
3.00-4.00pm		Puan Anita (Symposium 6)	Dr Salina (symp 1, chairperson, 3.30pm)	Prof Maznah Dahlui

Server stress test

A stress test is a type of performance test that checks the upper limits the system by testing it under extreme loads. Stress tests examine how the system behaves under intense loads and how it recovers when going back to normal usage. Stress test was conducted two week before the event on 14 September 2021.

We have request all the participant from NIH to log-in to the system at 2.00 pm to 4.00 pm. However, only 76 participated in this server stress test. Some participants failed to log in due to unaware of the email sent with log in ID and password otherwise the stress test is successfully conducted. User training on Q&A system with slido and Helpdesk has been conducted concurrently during server stress test.

Server Migration

Due to high number of participants registered (1,500 delegates) for this conference. Migration of virtual machine is importance to improve utilization of resources, load balancing of processing nodes, isolation of applications, tolerating the faults in virtual machines, to increase the portability of nodes and to rise the efficiency of the physical server.

Server migration was conducted from 15 to 17 September 2021. Physical server in NIH was migrate to cloud server (Microsoft Azure). The benefits of cloud computing are to ensure it is backed up and protected in a secure and safe location. Being able to access the data again quickly allows us to conduct conference as usual, minimising any downtime and loss of productivity.

Step of server migration conducted as below:

1. Coding and backend setup
2. Upload folder permission,
3. Forget password script change use SMTP for cloud
4. New lobby image change
5. Poster & Oral Presentation
6. On-demand video linking
7. Revised Menu
8. Program page
9. Tracking on lecture hall
10. Feedback & Certificate
11. Upload additional files

Conference Day

During the event days, twelve sub-committee was form to ensure the conference run smoothly.

A list of person incharge during the event as below:

1. Advisor: Dr Noor Ani Ahmad
2. Event manager: En Ahmad Ali Zainuddin
3. Stage director: En Chong Chean Tat
4. Live stage & technical support: Mexplus (4 persons)
5. IT support: Pn Hasnita and team (8 persons)
6. Liaison officer: Dr Shubash Shander Ganapathy and Dr Chan Yee Mang
7. Helpdesk: En Azli Baharudin and team (15 persons)
8. Q&A: Dr Muhammad Solihin Rezali
9. Emcee: Day 1 - Pn Lalitha Palaniveloo
Day 2 - En Mohamad Aznuddin Abd Razak
Day 3 - Dr Tania Gayle Robert Lourdes
10. Food & Beverage: Pn Syafinaz Salehudin & Pn Munawara Pardi
11. Opening & Closing: Dr Nur Liana Ab Majid & Dr Halizah Mat Rifin
12. Receptionist/Helpdesk: Pn Aida Asyikin Muhamad Sadan



Visitors' Statistics for 22nd NIH Scientific Conference platform

Each platform visitors were recorded. Figure 1 tabulates each day statistics attendees during conference day (21- 23 September 2021). The visitors' attendance was highest in day one and lowest in day three of the conference (figure 1). Majority visitor visit the poster (figure 2) and around 50 questions has been asked to the speaker every day (figure 3).

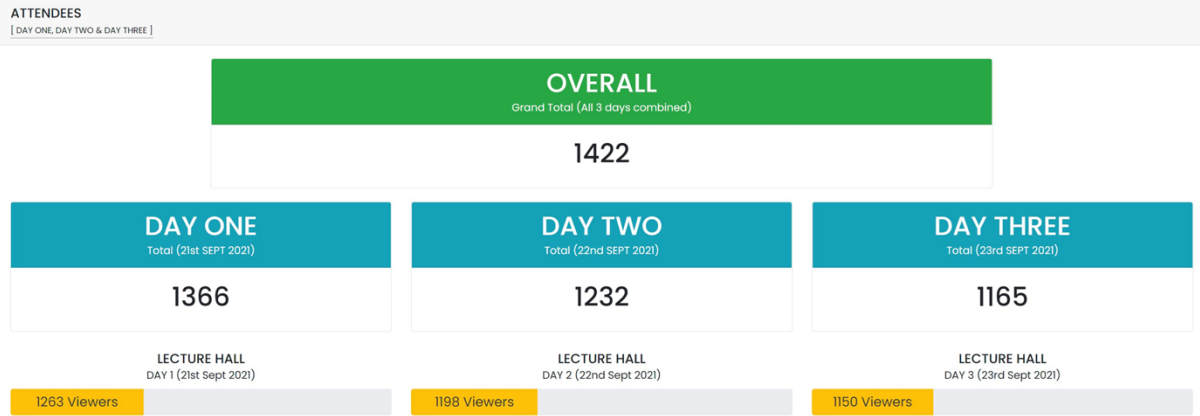


Figure 1: Visitor attendance for three days conference

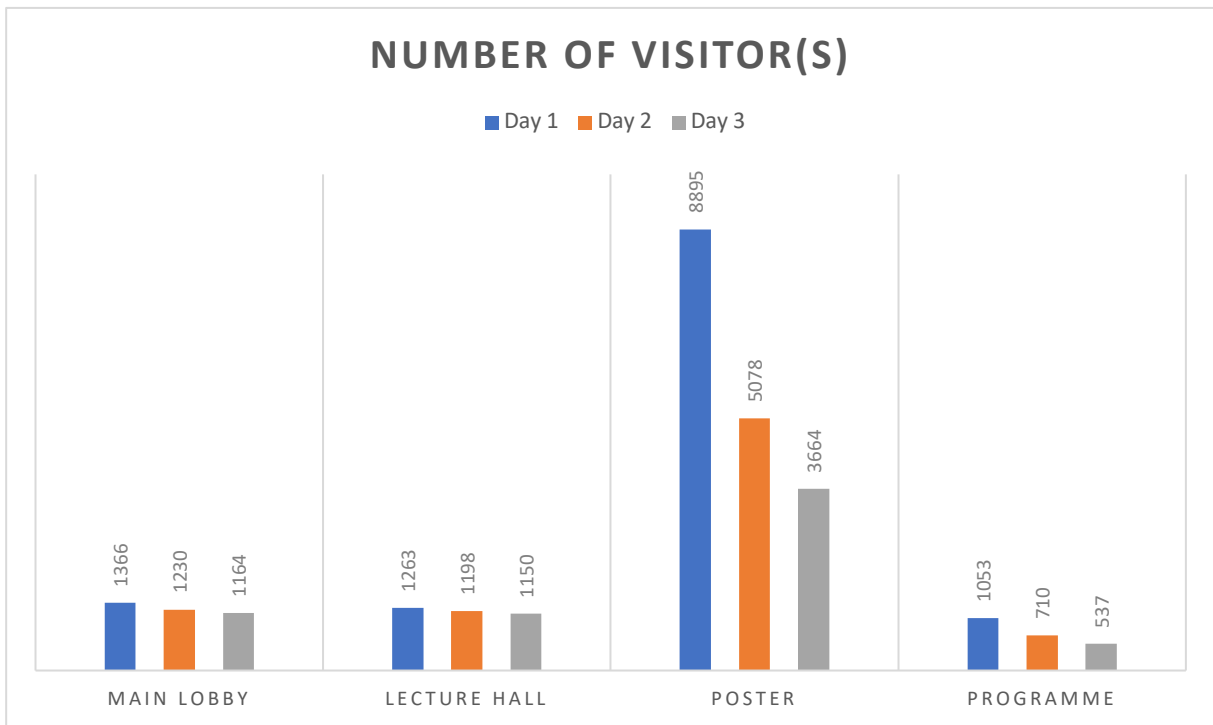


Figure 2: Number of visitors

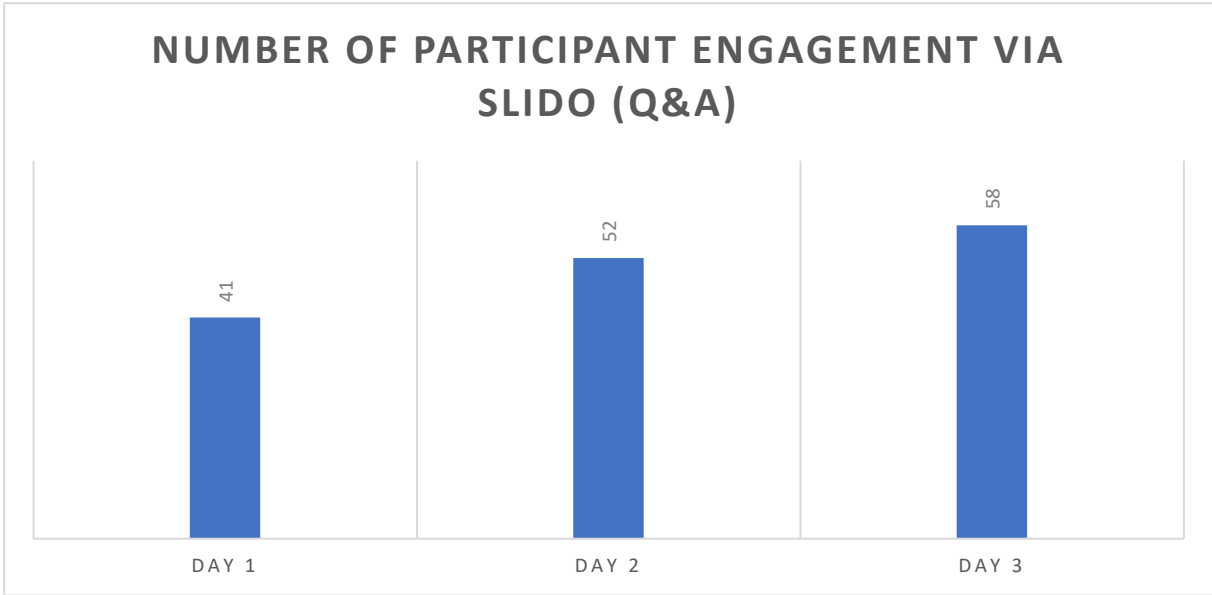
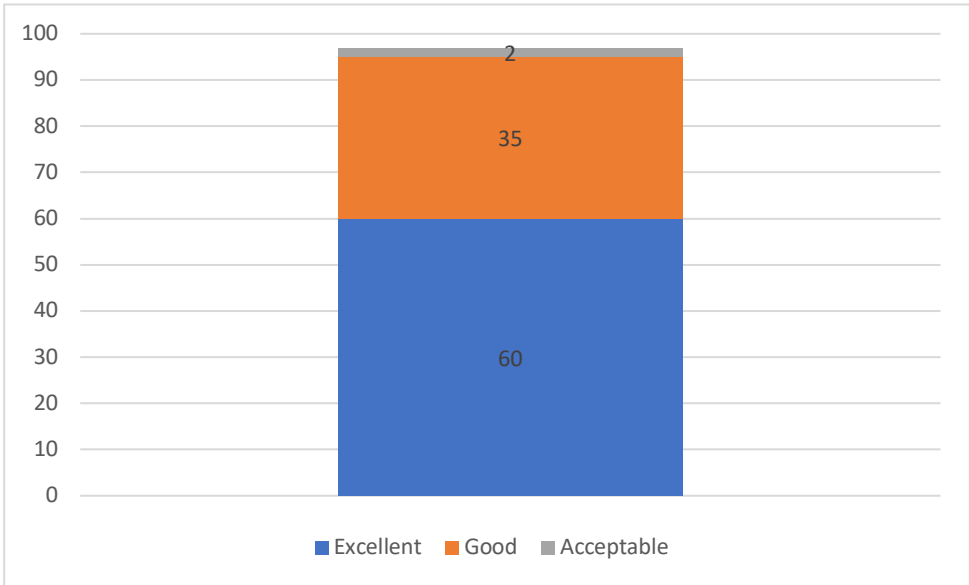


Figure 3: Number of questions from visitors

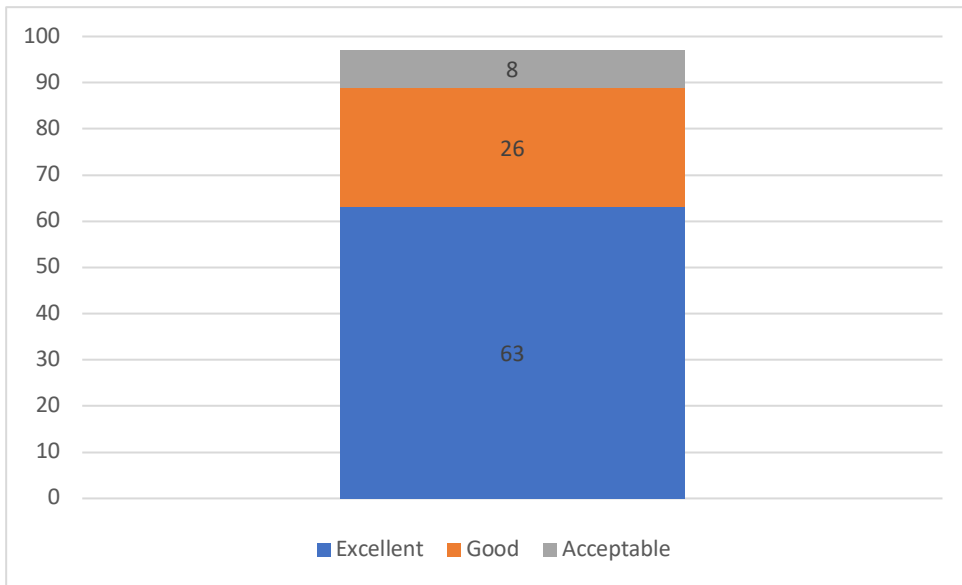
Feedback post-conference

Ninety-seven participants had given the feedback related to logistic and technical for this conference. Participant feedback was based on scale 1 to 5 (1=very poor, 2=poor, 3=acceptable, 4=good, and 5=excellent).

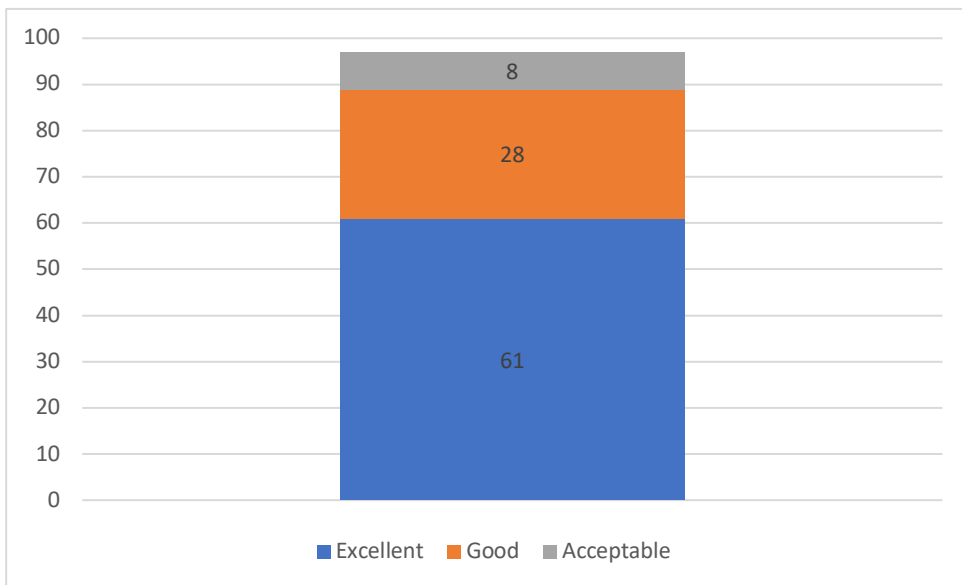
1. Entire conference



2. Virtual Exhibition Experience



3. How do you rate this virtual conference compared with the ones that you have attended before?



Challenges and limitations

1. To ensure that the system is valid and accessible, it is necessary to check and crosscheck with the MyGovUC team from MAMPU (check that the domain is valid and is in an accessible country).
2. Stress test on the platform (website and cloud) should be conducted in actual environment and based on the maximum volume of participants, for example 2000 participants.
3. The company needs to inform the technical team if there is a transfer and migration of data to a new server and cloud because it causes a change of IP address at the company's server level. The information of the new platform (domain name, ip address, email address) need to be updated to the Government infra team (GITN, MyGovUC and MyGovNet) in term of:
 - i. Prioritize the internet line
 - ii. Whitelist the e-mail and IP address
4. Data migration to new server was suggested to be carried out early, at least 1 month before the event takes place.
5. To ensure a stable internet connection, the GITN team should be asked to standby onsite throughout the event.
6. Apart from that, to ensure smoothness it is recommended to host at the company's place so that bandwidth is not disrupted.

4.5 PUBLICITY AND PUBLICATION COMMITTEE

The Publicity and Publication committee was responsible to prepare promotional materials and circulate to the target groups as many as possible either from local or international. The committee also responsible to prepare and convey Announcements to attract participants to submit for oral or poster presentation. The committee also prepared the scientific programme based on input from the Scientific Committee, E-programme books and promotion video for the conference.

1. Announcement

4 announcements were developed to deliver updated information such as date of conference, the deadline and extension deadline for abstract submission. The information was conveyed through website when the website is ready.

- i) 1st announcement - 17 Mei 2021 (Abstract submission date)
- ii) 2nd announcement - 21 Jun 2021 (Abstract submission closing date)
- iii) 3rd announcement - 12 July 2021 (Extension of deadline)
- iv) 4th announcement - 28 July 2021 (Extension of deadline)



(17 Mei 2021)



(21 Jun 2021)



(12 Julai 2021)



(29 Julai 2021)

2. Website banners

3 website banners with 2 amendments were produced to convey the updated information such as:

- i) Main information of the Conference.
- ii) Information regarding Opening Remarks and Plenary Speakers.
- iii) Information to potential sponsors for the Conference.
- iv) Amendment of Opening Remarks by YBMK Dato' Sri Dr Adham bin Baba to Tan Sri Dr Noor Hisham bin Abdullah.
- v) Amendment of Plenary Speaker from Prof. Dr Vivian Lin to Prof Jomo Kwame Sundram
- vi) Amendment of Plenary Speaker from Dr. Lo Ying-Ru Jacqueline to Prof Daniel Reidpath.



3. Tentative Programme

- i) **Program in website** - Information regarding tentative of program also could be used by participants to request Local Order.

PROGRAMME DAY ONE TUESDAY 21 SEPTEMBER 2021	PROGRAMME DAY TWO WEDNESDAY 22 SEPTEMBER 2021	PROGRAMME DAY THREE THURSDAY 23 SEPTEMBER 2021
<p>08:00 - 09:00 REGISTRATION Start at Hsbi@Lab</p> <p>09:00 - 09:45 OPENING CEREMONY Dr. Noor Ali Mohamad Minister of Health Dr. Ibrahim Ismail Deputy Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>09:45 - 10:45 PLANNING'S Technology, Policy, and Innovation: Where are the Health Systems Changing? Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>10:45 - 11:45 OPENING CEREMONY AND ADDRESS ADDRESS Welcoming Speech Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>11:45 - 12:30 Key Note</p> <p>12:30 - 13:00 MOCKUP Hsbi@LAB (DISCUSSION) 1: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>13:00 - 13:30 Lunch</p> <p>13:30 - 14:00 DISCUSSION 2: Building And Research Integrity in Partners to Improve Health Outcomes Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>14:00 - 14:30 MOCKUP Hsbi@LAB (DISCUSSION) 2: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p>	<p>08:00 - 09:00 REGISTRATION Start at Hsbi@Lab</p> <p>09:00 - 09:45 PLANNING'S The Health Ecosystem in The New Normal 2021 Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>09:45 - 10:45 DISCUSSION 3: Concept of Change: Communicable Diseases and COVID-19 Pandemic Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>10:45 - 11:45 DISCUSSION 4: Health Ecosystem in The New Normal 2021 Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>11:45 - 12:30 Key Note</p> <p>12:30 - 13:00 MOCKUP Hsbi@LAB (DISCUSSION) 3: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>13:00 - 13:30 Lunch</p> <p>13:30 - 14:00 DISCUSSION 5: Healthcare Challenges in Malaysia: Trends and Regional Resilience Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>14:00 - 14:30 MOCKUP Hsbi@LAB (DISCUSSION) 4: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p>	<p>08:00 - 09:00 REGISTRATION Start at Hsbi@Lab</p> <p>09:00 - 09:45 DISCUSSION 6: Strengthening Health Systems Through Digital Technology: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>09:45 - 10:45 DISCUSSION 7: Health Ecosystem in The New Normal 2021 Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>10:45 - 11:45 DISCUSSION 8: Healthcare Challenges in Malaysia: Trends and Regional Resilience Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>11:45 - 12:30 Key Note</p> <p>12:30 - 13:00 MOCKUP Hsbi@LAB (DISCUSSION) 5: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>13:00 - 13:30 Lunch</p> <p>13:30 - 14:00 DISCUSSION 9: Healthcare Challenges in Malaysia: Trends and Regional Resilience Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p> <p>14:00 - 14:30 MOCKUP Hsbi@LAB (DISCUSSION) 6: Health, Innovation, Change and Impact for a Healthy Nation: Strengthening the Health Ecosystem Chairman Dr. Noor Ali Mohamad Minister of Health Dr. Ahmad Zahid Deputy Prime Minister</p>

Day 1

Day 2

Day 3

- ii) **E-Program book & Flip E-Book**- Program books in flip-form to ease participants in getting information regarding tentative of programs.

• E-Program Book ke Flip Book

The image shows the cover of the '22nd NIH Scientific Conference Programme Book' on the left, which features the NIH logo and the theme 'Heal, Innovate, Change and Improve for a Healthy Nation'. An arrow points to the right, where the digital flip-book version is displayed. The flip-book shows a 'CONTENTS' page with a list of sections and page numbers, including 'Sponsor Platinum', 'Message from The Director General of Health Malaysia', 'Speakers Profiles', 'Lists of Poster Presentation', 'Lists of Oral Presentation', 'Sponsors, Exhibitors & Supporting Organizations', and 'Acknowledgement'.

4. Virtual Conference Interface

The committee provided input to the vendor in creating the platform which was the main interface when participant enter the conference hall. It was designed to facilitate participants who attend the conference.

i) Conference Lobby



ii. Organizer Mega Booth

This was the display of Organizer Booth whereby participants could access through into individual booth by clicking the icon for each institute.



iii. Sponsorship Megabooth

This was the display of Sponsorship Megabooth whereby participants could access through into individual booth by clicking the icon for each sponsor.



iv. Institutes Virtual Booth

There were 10 booths of organizers that took part in this conference as listed below:





Analytic Report for Virtual Booth Views

Page title and screen class	Views	Users	New users	Views per user	Average engagement time *	Unique user scrolls **	Event count ***
22nd NIH Scientific Conference - IPTK	2,513	1,020	264	2.5	35.2	529	7,001
22nd NIH Scientific Conference - APACPH	1,118	489	1	2.3	79.7	325	2,773
22nd NIH Scientific Conference - NIH	356	182	-	2.0	89.7	108	903
22nd NIH Scientific Conference - IMR	308	149	-	2.1	275.9	63	739
22nd NIH Scientific Conference - IHM	307	106	-	2.9	124.5	65	790
22nd NIH Scientific Conference - IHSR	208	152	4	1.4	26.2	75	528
22nd NIH Scientific Conference - IKU	160	101	-	1.6	48.1	52	436
22nd NIH Scientific Conference - ICR	127	76	1	1.7	112.1	39	318

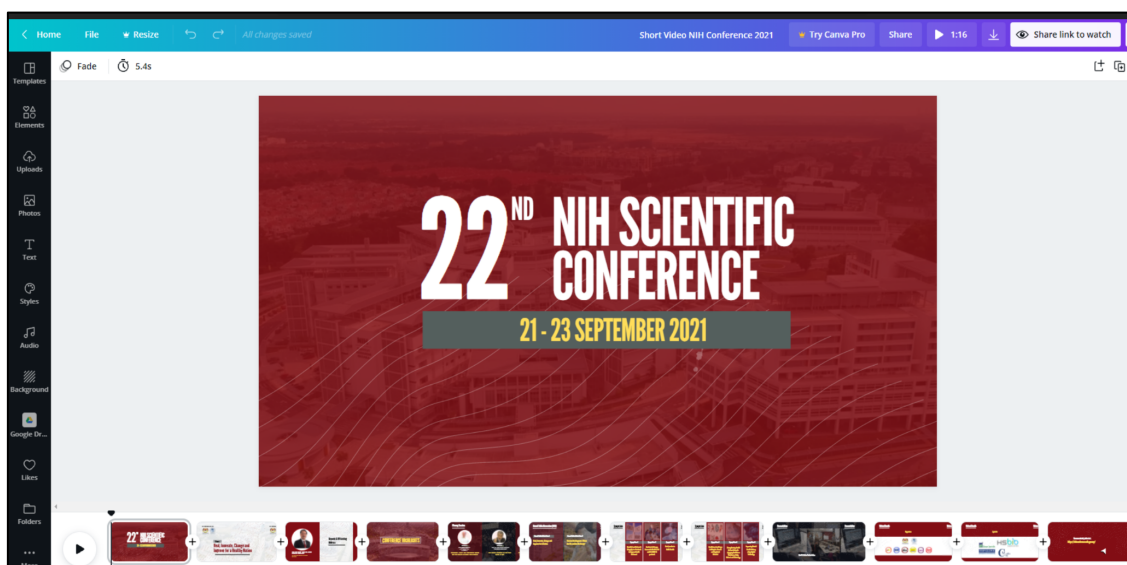
22nd NIH Scientific Conference - Globinmed (IMR)	122	95	-	1.3	28.1	44	295
22nd NIH Scientific Conference - SMIS (IMR)	111	89	-	1.2	26.8	35	263
22nd NIH Scientific Conference - iHSR	83	48	-	1.7	130.7	21	243
22nd NIH Scientific Conference - iHSR	68	48	4	1.4	81.9	13	170
22nd NIH Scientific Conference - SMIS	46	34	-	1.4	47.8	21	114
22nd NIH Scientific Conference - Globinmed (IMR)	19	16	-	1.2	157.5	12	55

Note:

- * Average engagement time - time spent by visitor at your booth
- ** Unique user scrolls - tracks how far people scroll down your webpage
- *** Event count - total number of hits within a web page.

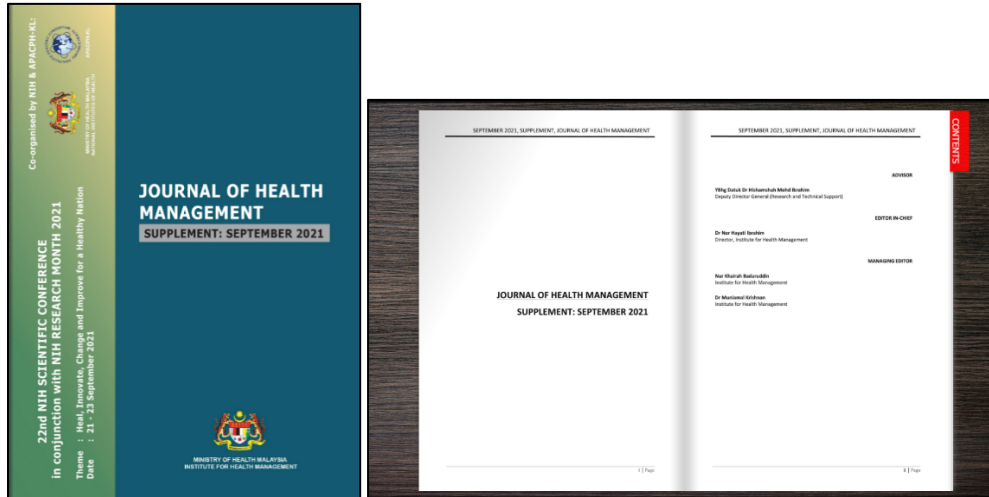
v. Video to promote the 22nd NIH Scientific Conference

Promotional video of 22nd NIH Scientific Conference for a minute and 16 seconds was made to display information of conference in a more interesting.



vi. Publication of Abstract

The committee also facilitated the publication supplement issue of the Journal of Health Management based on the abstracts compiled by the Scientific Committee.



4. Challenges and limitations

a) Designing skills

i) Due to the conference was conducted via virtual platform, there was some component in promotional materials which conventionally printed, however it was changed to e-book. This process requires specific design skills which was usually performed by the third party from printing company.

ii) 1st announcement

1st announcement is important because it is an early announcement to inform target groups about the conference. In developing 1st announcement, related information, theme, color scheme and banner style were discussed.

iii) Website Interface

To establish the website interface, a lot of information was needed including banner (type, transmission, units), Welcoming message, deadline, timelines, participants, Opening Remarks and Keynote address.

b) Skills to make video and montage.

i) Members with lack of skills were trained using an easy and cheap applications.

ii) Online applications allowed members with skills to assist wherever they are, given that they have an internet connection. This was important as some members were on a fieldwork.

c) Require cooperation from Scientific Team to give the right information in the right format.

Data collection by Scientific Team must be according to the format of program books and supplementary.

d) Challenges in finding committee members who acquire both skills in developing virtual booth.

This situation causes the exchange of publicity team members for several times as the assigned members were afraid about the work burden as they did not have the skills required.

5. Suggestions

a) Requirement of skillful designer for publicity team to design announcement, banner, website and others.

b) Detailed discussion with an extensive Scientific Team in deciding format to be used.

i) Program tentative (Excel)

ii) Summary RTD, Symposium dan Plenary (Word)

iii) List of oral and poster (Excel)

iv) List of abstract (word in google drive)

c) Detailed discussion with Sponsorship and Funding Team

i) Logo formatting and advertisement poster to be utilize

d) Specific training/workshop to organize virtual conference.

4.6 OPENING AND CLOSING CEREMONY COMMITTEE

The opening and closing ceremony of the 22nd NIH Scientific Conference was a formal virtual event held on the 21st and 23rd September 2021. The ceremony combined both prerecorded and live sessions. The emcee for the entire event was En. Hafis Zuhdi Badrul Hisham using a combination of voice over (VO) and live emceeing. The text was prepared by the emcee, Dr Tania Gayle Robert Lourdes and Dr Nur Liana Ab Majid. The video editing for the opening and closing ceremony was done together with help from a company MexPlus Sdn Bhd.

In both opening and closing ceremony, there were short recordings involving chairperson of the conference, co-chairperson and all NIH directors. The recording was held starting from 23rd August until 6th Sept 2021. The footage was included in the opening ceremony prior to the launching and also at the end (appreciation page) of the closing ceremony.

i. Opening ceremony

The total duration for opening ceremony in the 22nd NIH Scientific Conference was 48 minutes and 43 seconds. This ceremony was entirely prerecorded. The Director General officiated the event in place of the Health Minister due some unforeseen circumstances that arose. The graphic used in this event was purchased from the iStock website. The background purchased was “3D virtual news studio green screen background 2” worth RM252. and “Digital tunnel with flares” worth RM252. The total cost for the opening ceremony was RM504.

Events	Time stamps & Durations	Notes
Opening montage	00:00 – 00:39 (00:39)	
Lagu Negaraku	00:40 – 02:00 (01:20)	
Lagu Kami Sedia Membantu	02:01 – 04:15 (02:15)	
Doa Recitation	04:16 – 06:55 (02:40)	Recording date: 25/8/2021 @NIH Doa prepared and recited by: Muhammad Taufiq Mohd Subri
NIH Manager Welcoming address	06:56 – 15:20 (08:25)	Recording date: 25/8/2021 @NIH Speech prepared by: Conference Secretariat
DDG Welcoming speech	15:21 – 22:15 (06:55)	Recording date: 17/8/2021 @ MOH HQ by Dr Nur Liana Ab Majid and Sulaiman Harun Speech prepared by: Conference Secretariat
DG Keynote address	22:16 – 45:22 (23:07)	Recording date: 3/9/2021 @ MOH HQ by Dr Nur Liana Ab Majid and Sulaiman Harun Speech prepared by: Scientific Committee Team
Gimmick	45:23 – 48:43 (03:20)	PIC: Mohd Ruhaizie Bin Riyadzi Dr Thamil Arasu Saminathan Dr Halizah Mat Rifin

ii. Closing ceremony

The total duration for closing ceremony in the 22nd NIH Scientific Conference was 20 minutes and 52 seconds. The ceremony combined both prerecorded and live sessions. The theme for the closing ceremony was black and gold. The graphic used in this event was purchased from iStock website “Golden sparkling star isolated on dark luxury horizontal background” worth RM 42.

Events	Time stamps & Durations
Starting for Closing Ceremony	00:01 – 00:50 (00:50)
Winners' announcement (Live)	00:51 – 12:42 (11:51)
NIH Manager closing speech	12:43 – 18:20 (05:37) Recording date: 25/8/2021
Appreciation page	18:21 – 20-51 (02:30)
Background & Music	PIC: Wan Shakira Rodzlan Hasani Hamizatul Akmal Hamid

4.7 TREASURY & FINANCE COMMITTEE

The finance committee is responsible to coordinate payment, record all of the conference revenue and expenditure, and also provide updated financial record. The finance team worked closely with the registration and sponsor committee to ensure the payment is received from the registered participants and possible sponsorship. Other than providing official invoices and receipts, the committee helped to manage all enquiries with regards to the payment process. The committee also handled all of the payment (LPO) made through the government e-procurement system.

In the table below is the actual revenue received including the LPO that has been processed for payment.

22nd NIH SCIENTIFIC CONFERENCE FINANCIAL REPORT (UPDATED 30/10/2021)

ACTUAL

No	Item	Revenue (RM)	Expenditures (RM)	Balance (RM)
1	Registration fees (Online banking/Credit Card)	RM46,647.37		
2	Sponsorship (Online banking/Cheque)	RM54,000.00		
3	Registration payment via LPO - Processed for payment (after 0.8% service fee deduction)	RM140,318.40		
4	Conference IT support (Mexplus Technologies Sdn Bhd)		RM57,000.00	
5	Conference logistic expenses		RM1,746.00	
6	Post mortem meeting and certificate giving ceremony (One World Hotel Sdn Bhd)		RM16,400.00	
7	Honorarium for speakers and awards for participants		RM23,350.00	
8	3% Admin Fee to APACPH-KL		RM7,202.92	
TOTAL		RM240,965.77	RM105,698.92	RM135,266.85

There is pending expenditure yet to be made as follow:

1. Payment for Majlis Anugerah Penyelidikan NIH
Amount: to be confirmed
Recipient: Dr. Manimaran Krishnan Kaundan

In the table below is the pending revenue including the LPO that has not been processed.

22ND NIH SCIENTIFIC CONFERENCE FINANCIAL REPORT (UPDATED 30/10/2021)

PENDING

No	Item	Revenue (RM)	Expenditures (RM)	TOTAL (RM)
1	LPO - Pending (after 0.8% service fee deduction)	RM35,563.20		
2	Virtual booth (LPO) (after 0.8% service fee deduction)	RM17,856.00		
3	3% Admin Fee to APACPH-KL		RM1,615.50	
	TOTAL	RM53,419.20	RM1,615.50	RM51,803.70

5.0 Conclusion

Overall, this 3-day virtual conference was successfully run virtually with 1500 participants from various agencies and background. A total of 452 abstract were submitted for poster and oral poster presentation, with 88 oral presentations and 364 E-Poster presentations. There were 5 and 20 winners (five each for four tracks) selected for oral and poster competition. All abstracts submitted were published in September 2021 supplement issue of the Journal of Health Management.

6.0 Acknowledgement

We would like to give a sincere appreciation to the Director General of Ministry of Health Malaysia, the Deputy Director of Health (Research & Technical Support), all directors of NIH institutes, NIH manager, all organising committee members, sponsors, judges, reviewers and participants of the conference for their contribution, support and co-operation towards making this conference a success.

APPENDIXES

TERMS OF REFERENCE (TOR) FOR ALL COMMITTEE

1. CHAIRPERSON:

- Coordinate overall activity of the conference
- Supervise and coordinate with all head working committee to make sure every tasks or activities on scheduled
- Chairing Organising Committee and Working Committee meetings
- Made decisions when necessary based on the consensus from the Organising Committee

2. REGISTRATION COMMITTEE

- Coordinate Registration of all participants
- Liaise with Treasurer on Fee payments
- Coordinate registration of speakers and sponsored participants
- Prepare conference certificates

3. SPONSORSHIP & FUNDING COMMITTEE

- Develop sponsorship brochure
- Develop guideline for exhibitors and disseminate / invite
- Find sponsors and coordinate invitations and follow-up
- Coordinate booths for exhibitions
- Liaise with treasurer on payment follow-up
- Liaise with Publicity & Publication Committee to include corporate sponsors in flyer/brochure

4. PUBLICITY & PUBLICATION COMMITTEE

- Develop and disseminate 1st and Final Announcement (to work closely with scientific committee)
- Develop publicity materials (conference banner, poster, website etc)
- Develop programme book (& abstract book/conference proceeding)
- Coordinate with journal editorial and researcher
- Review abstract and manuscript

5. LOGISTIC COMMITTEE

- Coordinate conference logistics with vendors:
 - o Plenary, symposium and round-table discussion: recorded/live
 - o Support logistics for other committees: registration platform, abstract submissions and e-poster/recorded oral presentation for Scientific committees, booths
 - o Interactive platform during conference
 - o Helpdesk and Q&A
 - o Post-conference feedback
- Coordinate Food & Beverage during conference

6. OPENING/CLOSING& PROTOCOL COMMITTEE

- Coordinate launching and closing ceremony & protocols
- Coordinate events including emcee
- Liaise with scientific committee in preparing speech for opening ceremony

