



## Asia-Pacific Forum on Access and Sustainability of Pneumococcal Conjugate Vaccines: Data needs for decision-making

Dates: Wed 09 Nov – Fri 11 Nov 2022

In-person venue: Murdoch Children's Research Institute, The Royal Children's Hospital Melbourne

Online venue: Zoom link accessible through Eventbrite page

*This event is sponsored by the NHMRC Centre of Research Excellence for Pneumococcal Disease Control in the Asia-Pacific and the Bill & Melinda Gates Foundation*

### Day 1: Wed, 09 Nov 2022

**In-person location: Ella Latham Auditorium, The Royal Children's Hospital**

Session information	Speakers and presentation titles
<b>Global health and building STEM capacity in the region</b> <b>Chairs: Dr Claire von Mollendorf and Prof Fiona Russell</b>	
Welcome & Acknowledgment of Country Overview and housekeeping 09:00-09:15	Prof Fiona Russell (MCRI) Dr Claire von Mollendorf and Mr Darren Suryawijaya Ong (MCRI)
How academic institutions in Australia can support the region in improving and developing global health capacity 09:15-09:45	Prof Jarir at Thobari (Universitas Gadjah Mada, Indonesia)
Growing capacity of women in STEM 09:45-10:15	Dr Senjuti Saha (Child Health Research Foundation, Bangladesh; Zoom)
Q&A - 10:15-10:30	
Morning tea - 10:30-10:45	
<b>Work-in-progress emerging leaders' session</b> <b>Chairs: Dr Ryan Toh and Dr Stephanie Clark</b>	
Impact of catastrophic health costs, including pneumonia, on households in Lao PDR 10:45-11:00	Dr Alicia Quach (MCRI)
Economic evaluations to support schedule changes: Challenges in modelling health outcomes 11:00-11:15	Mr Fulgence Niyibitegek (MCRI, University of Melbourne)
Using whole genome sequencing to assess effectiveness of PCV against antimicrobial resistance in Lao PDR and Mongolia 11:15-11:30	Dr Laura Boelsen and Dr John Hart (MCRI)
Five years of pneumonia surveillance in Lao PDR 11:30-11:45	Dr Laddaphone Bounvilay (LOMWRU, Lao PDR)
Is PCV effective against high pneumococcal density? 11:45-12:00	Mrs Isatou Jagne (MCRI; Zoom)
B cell data from Vietnam 12:00-12:15	Mr Thanh Phan (Pasteur Institute, Vietnam)
Q&A - 12:15-12:30	
Lunch - 12:30-13:30	



Session information	Speakers and presentation titles
<b>Parallel sessions</b>	
Health economics seminar 14:00-16:00	Prof Jarir At Thobari (Universitas Gadjah Mada, Indonesia) Dr Rachel Devi (Ministry of Health and Medical Services, Fiji) Prof Mark Jit (London School of Hygiene and Tropical Medicine, UK) Dr Tuyà Mungun (National Center for Communicable Diseases, Mongolia) Prof Anna Ong-Lim (University of the Philippines) Prof Fiona Russell (MCRI) Prof Jodie McVernon (Peter Doherty Institute, Melbourne) Facilitator: Dr Natalie Carvalho (University of Melbourne)
Microbiology workshop 13:30-16:00 MCRI East Level 5 Laboratories	
Emerging leaders networking session 17:00-19:00 External venue – for early career researchers (students and post-docs)	

**Day 2: Thu, 10 Nov 2022**

*In-person location: Ella Latham Auditorium, The Royal Children's Hospital*

Session information	Speakers and presentation titles
<b>Opening</b>	
Welcome Acknowledgment of Country 09:00-09:10	Prof Sarath Ranganathan (University of Melbourne)
Plenary speaker 09:10-09:40	Dr Stephanie Williams (Department of Foreign Affairs and Trade; Zoom)
Supporting PCV and other new vaccine introduction in Western Pacific Region countries 09:40-10:00	Dr Hardeep Sandhu (WHO Western Pacific Regional Office; Zoom)
<b>How low can you go? PCV schedules and policy decisions</b> <b>Chairs: Dr Tuyà Mungun and Dr Toan Nguyen</b>	
PCV access and sustainability: an overview 10:00-10:15	Prof Fiona Russell (MCRI)
The evidence behind removing a dose from the PCV schedule 10:15-10:35	Prof Kim Mulholland (MCRI)
Catch up, then 1+1 schedules 10:35-10:55	Prof Lay Myint Yoshida (Nagasaki University, Japan)
Q&A - 10:55-11:05	
Morning tea - 11:05-11:20	
<b>Health economic data for decision-making</b> <b>Chairs: Dr Natalie Carvalho and Prof Fiona Russell</b>	



Session information	Speakers and presentation titles
Effect of COVID-19 on immunisation budgets 11:20-11:30	Dr Natalie Carvalho (University of Melbourne)
How to prioritise new vaccine introductions when budgets are limited 11:30-11:50	Prof Mark Jit (London School of Hygiene and Tropical Medicine, UK)
Q&A - 11:50-12:00	
Panel: Data needs for PCV policy decision- making 12:00-13:15	Prof Kulkanya Chokephaibulkit (Mahidol University, Thailand; Zoom) Prof Anna Ong-Lim (University of the Philippines) Dr Tuya Mungun (National Center for Communicable Diseases, Mongolia) Prof Mayfong Mayxay (LOMWRU, Lao PDR; Zoom) Prof Jarir At Thobari (Universitas Gadjah Mada, Indonesia) Dr Rachel Devi (Ministry of Health and Medical Services, Fiji) Dr Yin Yin Aung (UNICEF; Zoom) Dr Hardeep Sandhu (WHO Western Pacific Regional Office; Zoom) Facilitator: Prof Fiona Russell (MCRI)
Lunch - 13:15-14:00	
<b>Immunological data for decision-making</b> <b>Chairs: A/Prof Paul Licciardi and Dr Lien Anh Ha (Anna) Do</b>	
Statistical approaches to correlates of protection 14:00-14:30	Prof Yin Bun Cheung (Duke-NUS Medical School, Singapore)
Immunology of reduced dose PCV schedules in Vietnam: Overview of trial immunogenicity data 14:30-14:50	Dr Toan Nguyen (Pasteur Institute, Vietnam)
Immunology of reduced dose PCV schedules in Vietnam: Novel markers of PCV immunity 14:50-15:10	A/Prof Paul Licciardi (MCRI)
Q&A - 15:10-15:30	
Breakout sessions with small group meetings 15:30-17:30	Concurrent sessions <ul style="list-style-type: none"> <li>• Microbiology (MCRI Walford Room)</li> <li>• Health economics (MCRI Cox Room) <ul style="list-style-type: none"> <li>○ Indonesia (15:30-16:30) <i>Dr Jarir At Thobari, Dr Natalie Carvalho, Prof Mark Jit, Prof Fiona Russell, Prof Julie Bines, Dr Jonathan Hasian, Fulgence Niyibitegeka, Emma Watts</i></li> <li>○ Fiji (16:30-17:30) <i>Dr Rachel Devi, Ms Anjana Deo, Dr Stephanie Clark, Dr Natalie Carvalho, Prof Mark Jit, Prof Fiona Russell, Dr Jonathan Hasian, Fulgence Niyibitegeka, Emma Watts</i></li> </ul> </li> </ul>
Networking dinner 18:30-20:30	For investigators and invited speakers/guests



**Day 3: Fri, 11 Nov 2022**

***In-person location: Ella Latham Auditorium, The Royal Children's Hospital***

<b>Session information</b>	<b>Speakers and presentation titles</b>
<b>Welcome</b>	
Welcome Acknowledgment of Country Key points from Day 2 09:00-09:15	Prof Fiona Russell (MCRI)
<b>High-tech surveillance</b> <b>Chairs: A/Prof Catherine Satzke and Ms Anjana Deo</b>	
Challenges and successes over a decade of pneumococcal genomic surveillance 09:15-09:45	Prof Stephen Bentley (Sanger Institute, UK; Zoom)
Sustainable surveillance systems in Papua New Guinea 09:45-10:05	Prof Willie Pomat (Papua New Guinea Institute of Medical Research; Zoom)
Severe pneumonia: Serotype replacement and empyema in Melbourne and Asia 10:05-10:20	Dr Jonathan Jacobson and Dr Eliza Nikolaou (MCRI)
How to know if pneumococcal disease is controlled: The role of pneumococcal carriage 10:20-10:35	Dr John Hart and Ms Eleanor Neal (MCRI)
Q&A - 10:35-10:50	
Morning tea - 10:50-11:05	
<b>Vaccines and special populations</b> <b>Chairs: Prof Kim Mulholland and Dr Anna Ong-Lim</b>	
Vaccine candidates 11:05-11:35	Dr Gail Rodgers (Bill & Melinda Gates Foundation; Zoom)
Are adult pneumococcal vaccines needed in LMICs? 11:35-12:05	Prof Peter McIntyre (University of Otago, New Zealand; Zoom) and Dr Claire von Mollendorf (MCRI)
Mixed dose schedules 12:05-12:35	Prof Amanda Leach (Menzies School of Health Research, Darwin; Zoom)
Vaccine schedule changes in Australia 12:35-13:05	Prof Chris Blyth (Telethon Kids Institute, Perth; Zoom)
PCV and malnourished children 13:05-13:35	Dr Nick Fancourt (Menzies School of Health Research, Darwin; Zoom)
Q&A - 13:35-13:50	
<b>Closing</b> <b>Chair: Dr Claire von Mollendorf</b>	
Closing remarks 13:50-14:00	Dr Claire von Mollendorf (MCRI)
Lunch - 14:00-15:00	

*Note: Closed sessions are highlighted in blue and open for invitees only.*

*A Vaccine Economics & Infectious Disease Modelling training course will be offered for a small group of invited PhD students and early career researchers. This training workshop is being sponsored by jointly by the CRE-PDC, [SPECTRUM CRE](#) and [SPARK](#).*



**About the NHMRC Centre of Research Excellence for Pneumococcal Disease Control in the Asia-Pacific**

The NHMRC Centre of Research Excellence for Pneumococcal Disease Control in the Asia-Pacific (CRE-PDC) aims to address outstanding research gaps for pneumococcal conjugate vaccine (PCV) use in the region. This vaccine prevents childhood pneumonia, which is the main cause of childhood deaths worldwide. The CRE-PDC aims to forge partnerships with academics, governments, policymakers and health organisations to ensure research translation. The CRE-PDC comprises of 10 projects and is an international effort with collaborators from Fiji, Vietnam, Lao PDR, Mongolia, The Philippines, Thailand, Singapore, Indonesia, Papua New Guinea and the UK. Additionally, these international linkages aim to develop the next generation of researchers through capacity building and early career development opportunities and collaboration.

We have assembled a multidisciplinary research team from public health, microbiology, immunology, vaccinology, paediatrics, biostatistics, genomics and health economics; as well as key Ministry of Health decision makers, to address these outstanding gaps in the Asia-Pacific region. This will ensure our research findings are translated into policy and guidelines.

Since its formation in 2021, the CRE-PDC has held eight workshops and seminars with over 600 attendees from 20 countries, as well as contributing 19 presentations to the ISPPD-12 pneumococcal conference with two travel grant awards and three members receiving the highest pneumococcal award for early career researchers (ECRs), the Robert Austrian Research Award. We will be hosting this forum, the first “Asia-Pacific Forum on Access and Sustainability of PCV: Data needs for decision-making” in November 2022, coinciding with World Pneumonia Day and featuring 16 speakers from regional academic institutions and governments, and speakers from the Australian Department of Foreign Affairs and Trade (DFAT), WHO, WHO SAGE members, UNICEF, the Australian Technical Advisory Group on Immunisation (ATAGI), and leading pneumococcal experts. This forum is co-funded by the CRE-PDC and the Bill & Melinda Gates Foundation. To support our ECRs, we have established an Emerging Leaders Committee (ELC) comprising of 21 ECRs representing nine countries in the Asia-Pacific region and released an online ECR Launching Pad, a resource centre for academic skills, courses, seminars and networking.

To learn more about the CRE-PDC: <https://www.mcri.edu.au/research/strategic-collaborations/centres/centre-pneumococcal-disease-control-asia-pacific>

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