

AHES

Australian Health Economics Society

42nd Annual AHES Conference Virtual, 21-22 September 2021

Conference Program



Keynote Speakers

Professor Emily Oster



Emily Oster is a Professor of Economics at Brown University. She holds a PhD in Economics from Harvard University. Emily's academic work focuses on health economics, development economics, and statistical methods. In addition to her academic work, Emily has written two bestselling books on data driven parenting, "Expecting Better" and "Cribsheet". Her third book, "The Family Firm: A Data-Driven Guide to Better Decision Making in the Early School Years" is set to come out in August 2021. Emily's work has been featured in the New York Times, the Wall Street Journal, the Atlantic, CNBC, NPR, Slate and more. Currently, Emily is working on the National COVID School Response Dashboard, which she developed with Qualtrics.

Professor Kirsten Howard



Kirsten Howard is Professor of Health Economics, and Co-Director of the Menzies Centre for Health Policy and Economics, in the School of Public Health at the University of Sydney. She has extensive experience in health economics and health policy research, with a focus on patient and consumer preferences, QOL/wellbeing measurement and economic evaluation. She has worked in diverse public health areas such as cancer, falls prevention, chronic kidney disease, organ donation and allocation policy and in Aboriginal and Torres Strait Islander health and wellbeing, including co-leading the What Matters 2 Adults and the What Matters 2 Youth projects to develop new nationally-relevant preference based wellbeing measures for Aboriginal and Torres Strait Islander adults and youth. She is also Chair of the Economics Sub Committee of the Pharmaceutical Benefits Advisory Committee (PBAC) and a member of the PBAC.

Professor Jeffrey Hoch



Professor Hoch is the Chief of the Division of Health Policy and Management in the Department of Public Health Sciences at the University of California at Davis. Also, he is the Associate Director of the Center for Healthcare Policy and Research at UC Davis. An award winning teacher, Professor Hoch has taught Health Economics and Economic Evaluation classes throughout the world. Professor Hoch pursues research making health economics more useful to decision makers.

Program Overview

All times are Australian Eastern Standard Time (AEST) / Melbourne, Australia time zone

Tuesday 21st September

- 09:00 – 09:05 Welcome Address by AHES President Prof Julie Ratcliffe (Flinders)
09:05 – 10:00 **Plenary Session I: Prof Emily Oster (Brown University)**
Health Recommendations and Health Behaviours: Vitamins and COVID
- 10:00 – 10:15 Coffee Break
10:15 – 11:45 **Parallel Session 1**
11:45 – 01:00 Lunch Break &
Networking session (12:30-1:00)
- 01:00 – 02:30 **Parallel Session 2**
02:30 – 02:45 Coffee Break
02:45 – 03:45 **Plenary Session II: Prof Kirsten Howard (University of Sydney)**
Developing the WM2A wellbeing measure – Privileging Aboriginal and Torres Strait Islander Voices, Values, and Preferences
- 03:45 – 04:00 Coffee Break
04:00 – 05:30 **Parallel Session 3**

Wednesday 22nd September

- 09:00 – 10:00 **Plenary Session III: Prof Jeffrey Hoch (University of California at Davis)**
How net benefit regression overcomes the challenges of analysing a cost-effectiveness dataset
- 10:00 – 10:15 Coffee Break
10:15 – 11:45 **Parallel Session 4**
11:45 – 12:45 Lunch Break &
Mentoring Session (12:05-12:45)
- 12:45 – 02:15 **Parallel Session 5**
02:15 – 02:30 Coffee Break
02:30 – 04:00 **Parallel Session 6**
04:00 – 04:15 Close and Awards Ceremony
04:15 – 05:15 AHES AGM (for members only)

Please note that within parallel sessions each standard presentation has been allotted 17min for presentation + 5min for questions.

To enter a virtual room, please click on either:

Plenary Room, Room A, Room B, Room C or Room D.

Please vote for the best presentation by either clicking on the following URL or scanning the QR code:

Vote For Best Presentation

Networking and Mentoring sessions

Room A: Mental Health
Room B: Child Development
Room C: Ageing and Dementia
Room D: Cancer
Room E: Health Preference Research

Networking Sessions (Tue 21 September, 12:30-1:00pm)

The purpose of the virtual 30-minute AHES Networking Sessions is to connect researchers who work on similar research topics. We would also like to use these networking sessions to explore the extent to which there is interest among researchers to form official Special Interest Groups (SIG) around a specific research topic. Everyone is welcome to attend the networking sessions, including PhD students! Please come along and connect to other researchers working in your field of interest! There is no obligation to form or participate in a potential SIG, we are just interested in gauging the interest among members and hope to connect researchers with similar research interests. We have appointed leading health economists in each area of interest to lead the discussion. Bring along your lunch and join!

Potential role of SIGs

The aim of SIGs is to connect members of AHES who have a similar research interest allowing exchange of knowledge (new research, grant opportunities), facilitating cooperation on grants, joint conference submissions, submissions to parliamentary inquiries, and meetups (for example an organised meeting at AHES), thereby building research capacity and policy impact. All activities should relate to a common interest, for example a specific research area, method or teaching initiatives. Several informal SIGs are already being developed alongside AHES.

Suggested talking points

- Brief introduction
- Discussion about general interest to form a SIG and become involved
- What are the main objectives of the SIG (e.g. scientific networking opportunities, exchange of information and knowledge, ECR development, external promotion of research, facilitation of collaboration on papers and grants)?
- What activities could be planned to achieve the objectives (e.g. expert lists, webinars, regular meetings, organisation of conference sessions, submission to parliamentary inquiries, grant collaborations, distribution of information – emails - twitter ...)?
- What roles could convenors have (e.g. Lead Convenor, Convenor for Research and Dissemination), and is there interest among members to take these on?
- How can AHES best support the SIG?

Mentoring (Wed 22 September, 12:05-12:45, Plenary Room)

At the mentoring session, you will hear from Ingrid Cox, Sean Docking and Julie Ratcliffe, who will provide insights into their experiences with the 2021 AHES Mentoring Program as mentee or mentor, including the one on one mentoring, PhD & ECR group mentoring, and speed mentoring programs. The remainder of the session will consist of a panel of speakers (Ingrid, Sean and Julie joined by Alison Pearce and Dennis Petrie) discussing the topic “Mentoring the mentors: How to be a better mentor” with an interactive Q & A session with the audience. Please come prepared to discuss your top mentoring tips, and bring your questions for the panel!

Keynote Presentations

Health Recommendations and Health Behaviours: Vitamins and COVID

Emily Oster (Brown University)

Tue 21 September, 9:00-10:00am, Plenary Room

Emily Oster will talk about her work on the role of endogenous response to new information driving bias in estimates of the impact of health behaviours. She will draw examples from the cases of vitamins and diet. In addition, she will speak about how these ideas apply to the consumption of health information in the COVID-19 pandemic.

Developing the WM2A wellbeing measure – Privileging Aboriginal and Torres Strait Islander Voices, Values, and Preferences

Kirsten Howard (University of Sydney)

Tue 21 September, 2:45-3:45pm, Plenary Room

Understandings of health and wellbeing are culturally bound. Many Aboriginal and Torres Strait Islander people perceive wellbeing and quality of life (QOL) differently from the Western biomedical models of health underpinning existing QOL instruments. Any instrument to measure the wellbeing of Aboriginal and Torres Strait Islander people should be culturally appropriate and safe, include relevant dimensions, and be informed by their own values and preferences. A mixed methods approach has been used, employing decolonising methodologies, privileging Aboriginal and Torres Strait Islander voices and perspectives, to develop a new preference-based wellbeing measure, WM2A, for Aboriginal and Torres Strait Islander adults.

How net benefit regression overcomes the challenges of analysing a cost-effectiveness dataset

Jeffrey Hoch (UC Davis)

Wed 22 September, 9:00-10:00am, Plenary Room

This talk explains how net benefit regression simplifies the analysis of a cost-effectiveness dataset and addresses a plethora of problems that often attend this type of cost-effectiveness analysis. Examples from studies, both hypothetical and real, demonstrate how challenges that frequently exist in conventional analysis can be identified and addressed in a net benefit regression framework.

Accessing rooms using Zoom

The conference will be hosted in one Plenary Room for the keynote presentations and Rooms A-D for the parallel sessions. Zoom links are provided as hyperlinks in the program and also on this page. To open the link, hover your cursor over the link, then click on this whilst pressing the Ctrl key. The networking Session has five parallel sessions with an additional room E.

If you have problems accessing a room, please email Barbara.degraaff@utas.edu.au

Tuesday 21st September

		A Room A	B Room B	C Room C	D Room D
09:00-10:00	Plenary Session I	Prof Emily Oster (Brown University) Health Recommendations and Health Behaviours: Vitamins and COVID <i>Chair: Assoc Prof Sonja de New</i> Plenary Room			
10:00-10:15	Coffee Break				
10:15-11:45	Parallel Session 1	Environmental impacts I: Sunlight, air pollution, floods, heat <i>Chair: Prof Paul Raschky</i>	Health care costs: Mental health, cancer and other health conditions <i>Chair: Prof Kees van Gool</i>	Organised Session: Consumer choice in aged care <i>Chair: Prof Julie Ratcliffe</i>	Modelled evaluation <i>Chair: Dr Barbara de Graaff</i>
11:45-13:00	Lunch Break				
12:30-13:00	Networking sessions	Room A Mental Health; Chaired by Prof Cathy Mihalopoulos (Deakin) Room B Child Development; Chaired by Assoc Prof Kim Dalziel (University of Melbourne) and Prof Lisa Gold (Deakin) Room C Ageing and Dementia; Chaired by Prof Julie Ratcliffe (Flinders) Room D Cancer; Chaired by Assoc Prof Louisa Gordon (QIMR Berghofer) Room E Health Preference Research; Chaired by Assoc Prof Richard Norman (Curtin) and Assoc Prof Gang Chen (Monash)			
13:00-14:30	Parallel Session 2	Evaluation of Healthcare Supply Interventions: Quasi-experimental evidence <i>Chair: Dr Daniel Avdic</i>	Inequalities in Healthcare Use and Supply <i>Chair: Prof Denzil Fiebig</i>	Organised Session: Measurement of child health-related quality of life to support Australian decision making <i>Chair: Assoc Prof Brendan Mulhern</i>	Discrete Choice Experiments <i>Chair: Assoc Prof Gang Chen</i>
14:30-14:45	Coffee Break				
14:45-15:45	Plenary Session II	Prof Kirsten Howard (University of Sydney) Developing the WM2A wellbeing measure – Privileging Aboriginal and Torres Strait Islander Voices, Values, and Preferences <i>Chair: Prof Julie Ratcliffe</i> Plenary Room			
15:45-16:00	Coffee Break				
16:00-17:30	Parallel Session 3	Evaluation of (Health) Policy Program Changes: Quasi-experimental evidence <i>Chair: Dr Umair Khalil</i>	(Mental) Health and the Labour Market <i>Chair: Prof David Johnston</i>	Combating COVID-19: Vaccinations, Attitudes, Voting and Lockdowns <i>Chair: Assoc Prof Tracy Comans</i>	Organised Session: The economics of the hospital care workforce: determinants and policies affecting nurses' and doctors' retention <i>Chair: Prof Tony Scott</i>

Wednesday 22nd September

		A Room A	B Room B	C Room C	D Room D
09:00-10:00	Plenary Session III	Prof Jeffrey Hoch (University of California at Davis) How net benefit regression overcomes the challenges of analysing a cost-effectiveness dataset Plenary Room <i>Chair: Dr Lidia Engel</i>			
10:00-10:15	Coffee Break				
10:15-11:45	Parallel Session 4	Environmental Impacts II: Bushfires, drought, air pollution and petrol prices <i>Chair: Prof Peter Siminski</i>	Organised Session: Reforming Medicare <i>Chair: Assoc Prof Kim Dalziel</i>	Quality of Life: New Developments <i>Chair: Dr Martin Howell</i>	Trial based evaluation <i>Chair: Dr Mbathio Dieng</i>
11:45-12:45	Lunch Break				
12:05-12:45	Mentoring session Plenary Room				
12:45-14:15	Parallel Session 5	Biomarkers and life outcomes, neighbourhood effects on social attitudes and physical activity <i>Chair: Prof Brenda Gannon</i>	Covid-19 and Mental Wellbeing <i>Chair: Prof Cathy Mihalopoulos</i>	Organised Session: Developing and testing a new measure of quality of life for use in economic evaluation <i>Chair: Dr Rachel Milte</i>	Economic Evaluation and Quality of Life Measurements <i>Chair: Assoc Prof Richard Norman</i>
14:15-14:30	Coffee Break				
14:30-16:00	Parallel Session 6	Child development <i>Chair: Assoc Prof Nicole Black</i>	Behaviour, Disadvantage and Health Care Costs <i>Chair: Assoc Prof Wang Sheng Lee</i>	Quality of Life and subjective wellbeing of children and adolescents <i>Chair: Prof Lisa Gold</i>	Organised Session: Use of Checklists in Reviews of Health Economic Evaluations – challenging the ‘one-size-fits-all’ approach <i>Chair: Dr Bonny Parkinson</i>
16:00-16:15	Close and Awards Ceremony Plenary Room				
16:15-17:15	AHES AGM Plenary Room				

Parallel Session 1

		A Room A	B Room B	C Room C	D Room D
10:15-11:45	Parallel Session 1	Environmental impacts I: Sunlight, air pollution, floods, heat	Health care costs: Mental health, cancer and other health conditions	Organised Session: Consumer choice in aged care	Modelled evaluation
	Chair: Moderator: Host:	Paul Raschky (Monash) Giovanni Empel (Monash) Anh Nguyen (UTAS)	Kees van Gool (UTS) Jessica Arnup (Monash) Ingrid Cox (UTAS)	Julie Ratcliffe (Flinders) Qing Xia (UTAS) Qing Xia (UTAS)	Barbara de Graaff (UTAS) Ting Zhao (UTAS) Ngan Dinh (UTAS)
	Paper 1	<i>In utero Sunlight Exposure and Later-Life Asthma in Australia</i> <i>Sam Rapeport</i> <i>University of Western Australia</i>	The cost of self-harm hospitalisations in Far North Queensland <i>Christopher Rouen</i> <i>James Cook University</i>	The role of financial literacy when paying for aged care <i>Henry Cutler</i> <i>Macquarie University Centre for the Health Economy</i>	Epidemiological Modelling of Australian Patients with Myeloma <i>Adam Irving</i> <i>Monash University</i>
	Paper 2	Coal Plants, Air Pollution and Anemia: Evidence from India <i>Nidhiya Menon</i> <i>Brandeis University</i>	Estimating the cost per prevalence of disease in Australia <i>Emily Bourke</i> <i>Australian Institute of Health and Welfare</i>	The association between resident and carer characteristics, provider behaviours and accommodation payment decisions in aged care <i>Anam Bilgrami</i> <i>Macquarie University Centre for the Health Economy</i>	Cost-effectiveness analysis of PSMA PET/CT imaging for the primary staging of prostate cancer in Australia <i>Bonny Parkinson</i> <i>Macquarie University Centre for the Health Economy</i>
	Paper 3	Flooding and Health Among the Urban Poor <i>Michelle Escobar</i> <i>Monash University</i>	Excess healthcare costs of depressive symptoms in late adolescent women: Evidence from national Medicare claims data <i>Danusha Jayawardana</i> <i>University of Queensland</i>	Is aged care accommodation financing fit for purpose? A perspective <i>Megan Gu</i> <i>Macquarie University Centre for the Health Economy</i>	Estimating the Return on Investment of a Randomised Controlled Trial on Telehealth-based Medical Nutrition Intervention in Rural and Regional Australia <i>Haitham Home</i> <i>University of Queensland, Centre for the Business and Economics of Health</i>
	Paper 4	<i>Heat and Workers' Safety: Heterogeneity Among Workers, Workplaces and Accident Types Over Time</i> <i>Andrew Ireland</i> <i>Monash University</i>	Is Medicare keeping up with the cost of cancer in Australia? <i>Maryam Naghsh Nejad</i> <i>CHERE, UTS</i>	Ownership, Quality and Prices of Nursing Homes in Australia <i>Jongsay Yong</i> <i>Melbourne Institute of Applied Economic and Social Research, the University of Melbourne</i>	Cost-utility analysis of implementing a potential pharmacogenomics panel for patients with pharmacoresistant epilepsy <i>Louisa Gordon, QIMR Berghofer Medical Research Institute</i>

Parallel Session 2

		A Room A	B Room B	C Room C	D Room D
13:00-14:30	Parallel Session 2	Evaluation of Healthcare Supply Interventions: Quasi-experimental evidence	Inequalities in Healthcare Use and Supply	Organised Session: Measurement of child health-related quality of life to support Australian decision making Discussant: Julie Ratcliffe	Discrete Choice Experiments
	Chair: Moderator: Host:	Daniel Avdic (Monash) Anh Nguyen (UTAS) Megan Gu (Macquarie)	Denzil Fiebig (UNSW) Michelle Escobar Carias (Monash) Ingrid Cox (UTAS)	Brendan Mulhern (UTS) Jessica Arnup (Monash) Qing Xia (UTAS)	Gang Chen (Monash) Anh Nguyen (UTAS) Ngan Dinh (UTAS)
	Paper 1	Effects of relaxing nurse practitioners' scope of practice on long-term care services <i>Michelle Tran</i> <i>The University of Queensland</i>	Measuring inequities in healthcare utilisation in Australia using a panel data approach to account for unobserved need and preferences <i>Jeet Varinder</i> <i>Macquarie University</i>	Child-Specific Utility Instruments and Decision-Making in Australia; A Review of Public Summary Documents from the Pharmaceutical Benefits Advisory Committee (PBAC) <i>Cate Bailey</i> <i>The University of Melbourne</i>	New Zealand public preferences for pharmacist prescribers in primary care: a discrete choice experiment <i>Rakhee Raghunandan</i> <i>University of Sydney</i>
	Paper 2	Provider responses to market entry under competing health technologies <i>Giovanni van Empel</i> <i>Centre for Health Economics Monash University</i>	Longitudinal analysis of socioeconomic inequalities in healthcare use in Australia <i>Dennis Petrie</i> <i>Monash University</i>	A review of international guidelines for self-report and proxy completion of paediatric health-related quality of life measures <i>Christine Mpundu-Kaambwa</i> <i>Flinders University</i>	Influence of Choice Set Size in a Labelled Discrete Choice Experiment <i>Thao Thai</i> <i>Monash University</i>
	Paper 3	Physicians Go Online: Is the Internet Changing the Supply of Healthcare? <i>Arezou Zaresani</i> <i>University of Manitoba</i>	Regional disparity in health service utilization and costs of diabetes patients in Mainland China: a national health insurance database study <i>Nina Wu</i> <i>China Capital Medical University</i>	Psychometric Properties of Paediatric Quality of Life Measures: a Protocol Alison Hayes, University of Sydney	Community attitudes to telehealth: A mixed methods approach <i>Richard Norman</i> <i>Curtin University</i>
	Paper 4	Estimating Short-Term Capacity: Theory and an Application to Invasive Coronary Angiography for Acute Myocardial Infraction <i>Ou Yang, Melbourne Institute</i>	Remoteness, models of primary care and inequity: Medicare under-expenditure in the Northern Territory <i>Yuejen Zhao</i> <i>NT Department of Health</i>	An Australian multi-instrument comparison study protocol for measurement of paediatric health-related quality of life <i>Renee Jones, Murdoch Children's Research Institute</i>	Does fertility treatment provide good value for money? A cost-benefit analysis <i>Elena Keller</i> <i>UNSW Sydney</i>

Parallel Session 3

		A Room A	B Room B	C Room C	D Room D
16:00-17:30	Parallel Session 3	Evaluation of (Health) Policy Program Changes: Quasi-experimental evidence	(Mental) Health and the Labour Market	Combating COVID-19: Vaccinations, Attitudes, Voting and Lockdowns	Organised Session: The economics of the hospital care workforce: determinants and policies affecting nurses' and doctors' retention
	Chair: Moderator: Host:	Umair Khalil (Monash) Barbara de Graaff (UTAS) Anh Nguyen (UTAS)	David Johnston (Monash) Ngan Dinh (UTAS) Ingrid Cox (UTAS)	Tracy Comans (UQ) Michelle Escobar Carias (Monash) Qing Xia (UTAS)	Tony Scott (University of Melbourne) Giovanni Empel (Monash) Ngan Dinh (UTAS)
	Paper 1	Effect of Health Insurance Premium Changes on Labour Supply: Evidence from Rwanda <i>Emmanuel Rukundo, Institute for Food and Resource Economics, University of Bonn</i>	The Impact of Adolescent Mental Health on Pension Participation at Age 30: Evidence from the United States <i>Karen Arulsamy, University College Dublin</i>	Voting and contagion at the time of COVID-19: quasi-experimental evidence from the Italian 2020 polls <i>Marco Mello, University of Surrey</i>	Stand by me: The impact of the Retention Support Programme on nursing staff retention in the English NHS <i>Melisa Sayli, University of Surrey</i>
	Paper 2	Dynamic effects of an age-based penalty mandate on demand for private health insurance <i>Nathan Kettlewell UTS</i>	Employment, Mental Health and Divorce: Are there reciprocal effects Salma Ahmed VISES, Victoria University; ADI, Deakin University	Attitudes of the public in 14 countries to lottery allocation of a COVID-19 vaccine: A controlled experiment from the CANDOUR study <i>Philip Clarke, Health Economics Research Centre, Oxford University</i>	As long as you engage me: panel data evidence on staff engagement and workforce retention in the English NHS <i>Giuseppe Moscelli, University of Surrey (UK) and IZA</i>
	Paper 3	Improving Health Insurance for the Poor <i>Daim Syukriyah Royal Holloway, University of London</i>	Uptake of Home-based Work Following a Health Shock: Evidence from Australia <i>Shuye Yu University of Groningen</i>	The health and economic value of SARS-CoV-2 Special Health Accommodation quarantine via RPA Virtual Hospital and local mitigation strategies in New South Wales, Australia: a modified SEIR model with scenario analysis and economic evaluation, <i>Michelle Cunich, The University of Sydney</i>	Gone with the wind: the impact of the 2016 national contract reform on junior doctors' retention within the English NHS <i>Marco Mello, University of Surrey (UK)</i>
	Paper 4	Poorly implemented policy has long-term effects on children's development: Evidence from Australia's 'emergency response' to Indigenous disadvantage <i>Mary-Alice Doyle, London School of Economics</i>	Disability and Employment Over the Life-Cycle, <i>Michael Palmer, UWA</i>	Early and ongoing impacts of the COVID-19 pandemic on the financial viability of primary care practices <i>Michael Wright, Centre for Health Economics Research and Evaluation</i>	

Parallel Session 4

		A Room A	B Room B	C Room C	D Room D
10:15-11:45	Parallel Session 4	Environmental Impacts II: Bushfires, drought, air pollution and petrol prices	Organised Session: Reforming Medicare Discussant: Adam Elshaug (Uni Melb)	Quality of Life: New Developments	Trial based evaluation
	Chair: Moderator: Host:	Peter Siminski (UTS) Michelle Escobar Carias (Monash) Anh Nguyen (UTAS)	Kim Dalziel (University of Melbourne) Jessica Arnup (Monash) Ingrid Cox (UTAS)	Martin Howell (University of Sydney) Qing Xia (UTAS) Qing Xia (UTAS)	Mbathio Dieng (University of Sydney) Barbara de Graaff (UTAS) Ngan Dinh (UTAS)
	Paper 1	The impact of bushfires on domestic violence: Evidence from over 100 fires <i>Sonja de New</i> <i>Monash University</i>	Provider behaviour and payment reform: Evidence from the withdrawal of public subsidy <i>Olukorede Abiona, Centre for Health Economics Research and Evaluation, University of Technology Sydney</i>	Assessing the construct and known group validity of the Quality of Life-Aged Care Consumer (QOL-ACC): a new preference-based quality of life measure for aged care <i>Jyoti Khadka</i> <i>Flinders University</i>	Exploring a triple bottom line approach to health technology assessment using the example of the MEL-SELF pilot randomised controlled trial <i>Jake Williams</i> <i>University of Sydney</i>
	Paper 2	The Impact of Air Pollution on Mental Health: Evidence from Australia <i>Valentina Duque</i> <i>University of Sydney</i>	The impact of value-based fee schedule reform on medical care spending <i>Dajung Jun, Melbourne Institute: Applied Economic & Social Research, University of Melbourne</i>	A scoping review of the use of visual tools and adapted easy-read approaches in Quality of Life instruments for adults <i>Rachel Milte</i> <i>Flinders University</i>	Outcomes of the Victorian Healthy Homes Program: A randomised controlled trial <i>Katie Page</i> <i>University of Technology Sydney</i>
	Paper 3	The impacts of drought on mental health care usage in Australia <i>Rachel Knott</i> <i>Monash University</i>	Freezing in Australia? Funding freeze, competition and physicians' behaviours <i>Susan J. Méndez, Melbourne Institute: Applied Economic & Social Research, University of Melbourne</i>	Mapping the Patient-Reported Outcomes Measurement Information System (PROMIS-29) to EQ-5D-5L <i>Mona Aghdaee</i> <i>Macquarie University Centre for Health Economics</i>	Comparisons of cost-effectiveness, cost-utility and cost-consequences in e-psychotherapies for managing chronic pain <i>Elizabeth-Ann Schroeder</i> <i>Macquarie University</i>
	Paper 4	Petrol prices and Obesity Kushneel Prakash The University of Melbourne		Mapping the Expanded Prostate Cancer Index Composite (EPIC-26) to the Assessment of Quality of Life 6 Dimensions (AQoL-6D) to Inform Economic Evaluations in Prostate Cancer <i>Norma Bulamu, Flinders University</i>	Economic evaluation of a cluster randomised Whole of Systems Trial of Prevention Strategies for Childhood Obesity (WHO STOPS) <i>Ha Nguyet Dao Le</i> <i>Deakin University</i>

Parallel Session 5

		A Room A	B Room B	C Room C	D Room D
12:45-14:15	Parallel Session 5	Biomarkers and life outcomes, neighbourhood effects on social attitudes and physical activity	Covid-19 and Mental Wellbeing	Organised Session: Developing and testing a new measure of quality of life for use in economic evaluation Discussant: Tessa Peasgood (Uni Melb)	Economic Evaluation and Quality of Life Measurements
	Chair: Moderator: Host:	Brenda Gannon (UQ) Michelle Escobar Carias (Monash) Anh Nguyen (UTAS)	Cathy Mihalopoulos (Deakin) Jessica Arnup (Monash) Ingrid Cox (UTAS)	Rachel Milte (Flinders) Qing Xia (UTAS) Qing Xia (UTAS)	Richard Norman (Curtin) Ting Zhao (UTAS) Ngan Dinh (UTAS)
	Paper 1	Affluence in Childhood, Polygenic Risk Factors and Mental Health Outcomes in Adulthood <i>John de New</i> University of Melbourne, Melbourne Institute	Improving Women's Mental Health During a Pandemic <i>Debayan Pakrashi</i> Indian Institute of Technology Kanpur	Development of the EQ-HWB measure: Findings from face validity and psychometric analyses <i>Brendan Mulhern</i> University of Technology Sydney	Evaluating the Patient experience of the National Centre for Veterans Healthcare (NCVH) Pilot Service <i>Brendan Bott</i> University of Sydney
	Paper 2	In and Out of Unemployment - Labour Market Dynamics and The Role Of Testosterone <i>Alexander Plum</i> Auckland University of Technology	COVID-19 infections, labour market shocks, and subjective well-being <i>Ferdi Botha</i> Melbourne Institute, University of Melbourne	How does the EQ-HWB conceptually overlap with the AQoL-8D? <i>Lidia Engel</i> Deakin University	Cost-effectiveness of professional-mode flash glucose monitoring in general practice among adults with type 2 diabetes: evidence from the GP-OSMOTIC trial <i>Xinyang Hua</i> , University of Melbourne
	Paper 3	Love thy neighbour: Social attitudes towards persons with disabilities <i>Vu Vuong</i> University of Western Australia	"New Horizons": Assessing general population preferences for a caring and wellbeing focused economy in the post COVID-19 world <i>Matthew Crocker</i>	A Systematic Review of the Effect of a One-Day Versus Seven-Day Recall Duration on Domains of the EQ-5D and EQ-HWB <i>Julia Caruana</i> The University of Melbourne	Behavioural changes after funding decisions: the implications for healthcare utilisation and value for money <i>Peter Ghijben</i> Monash University
	Paper 4	Perceived neighbourhood safety and physical activity <i>Sabrina Lenzen</i> University of Queensland	Estimating the impact of COVID-19 lockdowns and social restrictions on the general adult population capability wellbeing in Australia, the UK and the Netherlands <i>Rachael Morton</i> , NHMRC Clinical Trials Centre, University of Sydney		Extending the EQ-5D: New evidence in support of adding 4 psycho-social dimensions <i>Gang Chen</i> Monash University

Parallel Session 6

		A Room A	B Room B	C Room C	D Room D
14:30-16:00	Parallel Session 6	Child development	Behaviour, Disadvantage and Health Care Costs	Quality of Life and subjective wellbeing of children and adolescents	Organised Session: Use of Checklists in Reviews of Health Economic Evaluations – challenging the ‘one-size-fits-all’ approach
	Chair: Moderator: Host:	Nicole Black (Monash) Giovanni Empel (Monash) Anh Nguyen (UTAS)	Wang Sheng Lee (Monash) Ngan Dinh (UTAS) Ingrid Cox (UTAS)	Lisa Gold (Deakin) Qing Xia (UTAS) Qing Xia (UTAS)	Bonny Parkinson (Macquarie) Barbara de Graaff (UTAS) Ngan Dinh (UTAS)
	Paper 1	Intergenerational transmission in health: Does the relationship change as parents age? <i>Michelle Tran</i> <i>The University of Queensland</i>	A Behavioural Economic Model of Gambling: A Two Process Approach <i>Lachlan Cameron</i> <i>The University of Melbourne</i>	Systematic review of published economic evaluations in very young children: implications for decision making focusing on use of outcome measures and QALYs <i>Natalie Carvalho</i> <i>University of Melbourne</i>	Quality appraisal checklist for economic evaluations: what are health economists thinking about? <i>Long Le</i> <i>Deakin Health Economics, Deakin University</i>
	Paper 2	The causal effect of relative age in school class on mental health among children: evidence from Australia <i>Jinhu Li</i> <i>Deakin University</i>	Does wealth inequality lead to increased home delivery? An experience based on the Nepal demographic health survey! <i>Rajan Sharma, Macquarie University</i> <i>Centre for the Health Economy</i>	Developing an adapted version of EQ-5D-Y for use in children aged 2-4 years using focus groups <i>Kim Dalziel</i> <i>The University of Melbourne</i>	Health economists’ views on quality appraisal checklist for economic evaluations <i>Delwyn Hewitt</i> <i>Deakin Health Economics, Deakin University</i>
	Paper 3	Consequences of Child Marriage: Evidence from Indonesia <i>Diana Contreras Suarez</i> <i>University of Melbourne</i>	The impact of frailty transitions on health service utilisation and costs in an elderly cohort of men living in Western Australia <i>Marshall Makate</i> <i>Curtin University</i>	Test-retest reliability of ‘best’ and ‘worst’ scaling choices for the EQ-5D-Y: comparison of adolescent and adult preferences <i>Xiuqin Xiong</i> <i>The University of Melbourne</i>	A systematic review of economic evaluations for prevention of cannabis and illicit drug use <i>Jan Faller</i> <i>Deakin Health Economics, Deakin University</i>
	Paper 4		The short-term impact of personalised formal care on primary carers: The case of the Australian National Disability Insurance Scheme <i>Bernice Hua Ma</i> <i>Centre for Health Economics, Monash University</i>	The Relative Importance and Performance of Key Life Domains on Global Life Satisfaction in Early Adolescents: A PLS-SEM Framework <i>Maame Esi Woode</i> <i>Centre for Health Economics, Monash University</i>	Comparison of quality appraisal checklists for economic evaluations of interventions for substance use prevention <i>Shalika Bohingamu</i> <i>Mudiyanselage</i> <i>Deakin Health Economics, Deakin University</i>

Organised Session Summaries

Consumer choice in aged care

Parallel Session 1C, Tuesday 21st September, 10:15-11:45

The Australian aged care sector will undergo substantial changes in the next decade as the Government reforms the sector to improve quality and care. The recent Royal Commission into Aged Care Quality and Safety provided 148 recommendations which recommended the implementation of a new system using rights-based Act with better governance, regulation and transparency and funding to match care needs. The Government has responded in the 2021-22 Federal Budget by injecting \$17.7b into the aged care system including increases in the Basic Daily Fee supplement for residents and the amount of front-line care delivered. In light of the potential overhaul of the system, there is a need to better understand the aged care sector to support the implementation of reforms.

This organised session on aged care examines different aspects of demand and supply within the aged care sector. The first paper investigates the role of financial literacy when consumers make accommodation payment decisions. It finds poor financial literacy likely leading to sub-optimal payment decisions and suggests increasing financial literacy is unlikely to improve these decisions. The second paper examines the associations between consumer characteristics, provider behaviours and the payment decision. It finds consumer characteristics impact the decision along with provider behaviours, indicting a potential principal-agent problem. The third paper explores whether residential aged care financing is fit for purpose by examining provider and stakeholder views on the use of refundable accommodation deposits (RADs) and discusses potential alternatives to RADs. The fourth paper takes a market perspective to examine whether the quality of care and prices of residential aged care facilities are affected by ownership type. It finds government owned facilities provide the greatest quality, and suggests public quality reporting and simplified pricing must prevail for consumer choice to improve quality.

Measurement of child health-related quality of life to support Australian decision making

Parallel Session 2C, Tuesday 21st September, 13:00-14:30

Many regulatory systems around the world utilize cost-effectiveness evidence to inform funding decisions for new technologies. Australia has a strong tradition of using cost-utility evidence for PBAC and MSAC decision making. Evaluation of interventions for children relies on health-related quality of life (HRQoL) information that is valid, reliable and comparable. Methodological advances in the area of child health-related quality of life have fallen well behind efforts in adults. Additional challenges are faced such as the use of proxy and availability of suitable instruments including for young children. The body of research presented in this session includes a review of Public Summary Documents to investigate how child health-related quality of life is currently reflected and utilized in decisions made by the PBAC. A further systematic review presents the guidelines produced by health technology assessment groups and instrument developers around the world on the use of proxy when measuring children's HRQoL. The two final presentations describe

protocols to assess psychometric performance of paediatric HRQoL measures. One will utilize existing data from longitudinal cohort studies and prospective trial data, the other will prospectively collect data for a large Australian multi-instrument comparison study. This research will be important in advancing methods for measurement of HRQoL in children and strengthening the paediatric economic evaluation evidence base to support decision making in Australian and around the world.

The economics of the hospital care workforce: determinants and policies affecting nurses' and doctors' retention

Parallel Session 3D, Tuesday 21st September, 16:00-17:30

The English National Health Service (henceforth: NHS) is a publicly funded, free at the point of use healthcare system that has experienced a decade of austerity, with negative effects on the working conditions of its large workforce leading to a 'haemorrhaging' of some groups of permanent healthcare staff, including nurses, junior and senior doctors. To guarantee the continuity of hospital services, the vacant positions must be covered by temporary staff at higher cost. High staff turnover and unfilled vacancies are likely to negatively affect patient outcomes because of poor skill match, a loss of human capital and damage to morale, also compounding other negative effects of under-funding on healthcare service quality.

It has been estimated that efficiency savings of 2-3% per year are required to keep the level of current service. The funding pledged by the UK Government is deemed insufficient on its own to deal with the ever-mounting pressure caused by an aging population. Hence, the need for efficiency improvements within existing services, among which, as it has been argued by many experts and healthcare professionals, the necessity to increase workforce retention.

The studies proposed for this session cover the whole spectrum of NHS hospitals' clinical workforce (i.e. nurses, senior doctors and trainee doctors) and investigate the determinants of the variations in their retention. In particular, the first study investigates the effectiveness of a policy intervention targeting the improvement in retention of nursing staff, the largest hospital staff group in the NHS workforce, using recent advances in the DiD literature with staggered treatment adoption. The second study investigates the role of staff engagement and staff complementarities in the dynamics of nurses' and doctors' retention over an 11 year hospital panel. The third study investigates the impact of a controversial contractual change on the retention and absences of NHS trainee doctors.

Reforming Medicare

Parallel Session 4B, Wednesday 22nd September, 10:15-11:45

The Australian healthcare system is tax financed and offers universal coverage for medical services through Medicare. Doctors are paid by fee-for-service in which the government sets a fixed

subsidy for medical services. The range of medical services and their fee is specified in the Medicare Benefits Schedule (MBS).

Changes in demographics and patterns of disease, as well as changes in medical practices represent a challenge to fund effective, equitable healthcare services to all Australians. Presenters in this session will explore two policies aimed at improving healthcare provision and reducing healthcare costs: The MBS review and the MBS freeze.

The MBS review ran from 2015 to 2020. It involved clinicians, health sector experts and consumer representatives, and it has been the most thorough review since Medicare's introduction in 1984. The final reports on the MBS review taskforce contain almost 1,400 recommendations to add, amend, update, or remove outdated items.

The MBS freeze was introduced temporarily in 2013 as part of a budget savings plan. The Australian government imposed a freeze on the indexation of subsidies paid for medical services, originally introduced as a temporary measure, the freeze was extended and only started to be lifted in 2017.

Developing and testing a new measure of quality of life for use in economic evaluation

Parallel Session 5C, Wednesday 22nd September, 12:45-14:15

With many interventions affecting not only patients' health but wellbeing more broadly, preference-based measures are needed that go beyond health in generating quality-adjusted life years (QALYs) for use in economic evaluation. In recognition of the limitations of existing measures, the Extending the QALY project aimed to develop a new measure for evaluating interventions across health, public health and social care, including the impact on service users and carers. Two new measures were developed, the 25-item EQ Health and Wellbeing (EQ-HWB) measure and a 9-item EQ-HWB-S short version for use in economic evaluation, both owned by the EuroQol group.

This session will provide an overview of the development process of the EQ-HWB measures that involved six countries, including Australia. Findings from the face validity study and the psychometric analysis study will be presented with a specific focus on Australian data, describing the extent to which the final versions reflected Australian recommendations. With the development of the new measures, further comparative work to other existing instruments is warranted. The second presentation will compare the EQ-HWB measures with the Australian preference-based measure, the AQoL-8D, to identify conceptual (domain) overlap. The final presentation will focus on the importance of the recall period. While the recall period of existing measures range from 'health today' to the 'past week' to the 'past 4 weeks', findings from a systematic review will be presented, summarizing existing evidence on the impact of using a 7-day recall period (as chosen for the EQ-HWB) versus a 1 day recall.

Overall, this session will be informative to Australian health economists interested in outcome measurement as well as in undertaking economic evaluations to inform resource allocation decisions.

Use of Checklists in Reviews of Health Economic Evaluations – challenging the ‘one-size-fits-all’ approach

Parallel Session 6D, Wednesday 22nd September, 14:30-16:00

Quality assessment checklists are used in systematic literature reviews to assess the quality of economic evaluation studies. In this context, quality can either refer to methodological quality or reporting quality. With the development of multiple checklists and in the absence of validation studies, more empirical evidence is needed to guide further selection of checklists. The aim of this session is to report findings from a study that compared different checklists including the British Medical Journal (BMJ) checklist, Consensus Health Economic Criteria (CHEC) checklist, Consolidated Health Economic Evaluation Reporting Standards (CHEERS) checklist, Quality of Health Economic Studies (QHES) instrument, Philips checklist and Drummond ten-point checklist by applying a mixed-method approach. The larger project consists of a quantitative comparison study of different checklists using an online survey, a qualitative think-aloud study to explore the understanding of checklists when used by health economists, a practical application of checklists to a systematic review of economic evaluations for substance use prevention followed by a comparison six checklists. The results will provide further evidence in terms of: (i) differences across checklists that focus on methodological quality versus reporting quality; and (ii) the level of experience of reviewers needed to apply the checklists. Ultimately, this session will serve as a starting point for future research that either may guide user’s selection of the most appropriate checklist for their particular purpose, or may establish a new comprehensive and feasible checklist for future reviews of economic evaluation studies.