

GLOBAL HEALTH

SOLVING THE WORLD'S MOST URGENT HEALTH PROBLEMS

Our public health researchers and clinicians have a proud history of addressing health challenges that affect vulnerable populations outside Australia. We save, extend and improve lives for hundreds of thousands of people across our planet.

Reducing the burden of cancer



Professor John Zalcborg OAM

Professor Zalcborg is a member of the Project Advisory Committee for the National Indigenous Bowel Screening program. While focussed on indigenous communities in Australia, this project has obvious applications to other indigenous communities around the world. In

addition, he is involved in the development of Clinical Quality Registries in the Middle East as well sitting on the International Steering Committee of a number of multinational trials.

Setting standards and improving care



Professor Peter Cameron

Professor Cameron is an international leader in the development of Emergency and Trauma systems and has assisted projects in India, Myanmar, Vietnam, Sri Lanka, China, Middle East and Europe. He has served as an Academic Chair in Hong Kong and Qatar, leading improvements in those regions.

He is a Past President of both the Australasian College for Emergency Medicine and the International Federation for Emergency Medicine. As Director for the Centre for Research Excellence in Emergency Care at Monash University, he developed a strong focus on quality and safety and has led international consensus on quality measurement frameworks for emergency medicine and trauma.



A/Professor Sue Evans

A/Professor Evans manages the Prostate Cancer Outcomes Registry – Australia and New Zealand, which provides some data to the Prostate Cancer Outcomes: Global Initiative to Compare & Reduce Variation. This is a global registry of men with localised prostate cancer, and it captures

health information and patient reported outcome measures to identify and implement common global standards and measurements for prostate cancer. She is also leading a project partly funded by Brawijaya University that will develop a tool to measure safety climate in Indonesian hospitals in an effort to reduce adverse events and improve patient safety. The tool will be available in Bahasa for implementation across Indonesian hospitals.



A/Professor Ilana Ackerman

A/Professor Ackerman has led international collaborations with national arthroplasty registries in Australia, Denmark, Finland, Norway and Sweden to monitor the lifetime risk of hip and knee replacement surgery in each country. She has been an osteoarthritis expert for the Global Burden

of Disease Studies (2010, 2013, 2015 and 2016), and was an invited member of the international working group that developed the International Consortium for Health Outcomes Measurement (ICHOM) Standard Set for Hip and Knee Osteoarthritis. She is also a collaborator on ICHOM's GLOBE Global Benchmarking Study, which is evaluating outcomes from joint replacement surgery at 18 sites internationally.



Professor Helena Teede

Professor Teede collaborates with Warwick University (UK) to investigate health system improvements and is also recognised by the NIH (USA) for stakeholder engagement in research and evidence translation.

Ensuring safe workplaces



Professor Malcolm Sim

Professor Sim has been an elected Board Member of the International Commission on Occupational Health (ICOH) since 2012, and led the successful bid to host the 2021 ICOH Congress in Melbourne. He is a member of the European MODERNET collaboration to develop better methods for occupational disease surveillance. He is a visiting Professor at the University of Malaya in Kuala Lumpur, and has a collaboration with the Nopparat Rajathanee Hospital Department of Medical Services, Ministry of Health in Bangkok. Professor Sim led a project with the National Institute for Occupational Health and Poison Control in Beijing to develop capacity in occupational disease detection and surveillance in China, and contributes to a program to build capacity in occupational and environmental epidemiology in the China CDC. He is also an external examiner to the University of Mauritius and has hosted several community medicine Fellows from Sri Lanka. Professor Sim also advises an ASEAN-based project to develop diagnostic criteria for occupational diseases.



Professor Helena Teede

Professor Teede leads the NHMRC Centre of Research Excellence in Polycystic Ovary Syndrome, collaborating with 33 international societies to produce evidence based guidelines, disseminate and research translation. She is President of the International Polycystic Ovary Syndrome Society and holds multiple international grants including with PCORI (USA). She co-developed a collaborative network in pre-conception and pregnancy health that is now in over 20 countries, and has contributed to WHO guidelines.



Professor Jane Fisher

Jane Fisher has longstanding research collaborations with colleagues in countries of the Asia Pacific region. These have focused on generating local evidence about mental health, reproductive health and early childhood development among people living in resource-constrained settings. She is a technical adviser to the World Health Organisation Departments of Maternal, Newborn, Child and Adolescent Health and Mental Health and Substance Abuse, and the South East Asian Regional Office Health through the Life Course Program. She is currently leading a trial of a low-cost community-based intervention for women's health and infant health and development in rural Vietnam. Professor Fisher has supervised the PhD research projects of students studying gender-based risks to health in China, Ethiopia, India, Malaysia, Nepal, Pakistan, Papua New Guinea, Vietnam and Zambia.

Building research capacity in Sri Lanka

Sri Lanka lacks a National Statement and Code of Conduct for medical research. Together with Alfred Health, we have embarked on an NHMRC-funded project to assist them in developing a national framework that will facilitate scientifically robust, ethical research.

Building women's health capacity



Professor Susan Davis & Professor Robin Bell

Professors Davis & Bell have collaborated extensively on international work, including supervising a large study of midlife women's

health in Bangladesh. They are also seeking to establish a multinational study of midlife women's health in low and low-middle income countries, with UK co-leads, replicating this Bangladesh study globally.

Professor Davis is CIB for a multi-centred European study looking at IVF outcomes in women pre-treated with testosterone. She has co-authored the Menopause Management Guidelines for the Endocrine Society (USA) 2016 and their recommendations for Menopause Management After Breast Cancer, as well as the 2016 Guidelines for the International Menopause Society, a group of which she is President-elect. Professor Davis is a co-author of a new Process of Care for the International Society for the Study of Women's Sexual Health and led the working party on Hormones and Women's Sexual Health for the International Society of Sexual Medicine.



A/Professor David Wells

A/Professor Wells has contributed to WHO publications dealing with the aftermath of sexual assault and has helped develop interpersonal violence responses focussing on women and children in the Pacific, Middle East and Africa. He is also involved in medico-legal services in partnership with WHO and the United Nations Office on Drugs and Crime.

Preparing for the future



Dr James Trauer

Dr Trauer's work in epidemiological modelling allows health service and aid providers overseas to plan service delivery. He currently has active projects in tuberculosis, malaria, Ebola, emerging infections and transmission of infectious disease through population mobility.

Our Epidemiological Modelling Unit is the lead site for the development of the "AuTuMN" software platform for programmatic modelling of TB control in high-burden countries. This platform has recently been implemented in Fiji, the Philippines and Bulgaria to improve understanding of the TB epidemic in these countries and to inform programmatic responses under a contract from the Global Fund to Fight AIDS, Tuberculosis and Malaria.



Disease and Injury Prevention



*Professor Sophia Zoungas
& Professor Helena Teede*

Professors Zoungas and Teede are Chief Investigators and Steering Committee Members for the LIVING trial, a lifestyle intervention program for

the prevention of type 2 diabetes mellitus among South Asian women with gestational diabetes mellitus. The LIVING trial is funded by groups in Australia and India and is recruiting women from 24 hospitals in Bangladesh, India and Sri Lanka.

Professor Zoungas is a founding member of the International Hypoglycaemia Study Group (IHSG) which is addressing the significant challenge of hypoglycaemia in diabetes through research, translation and communication. She is also an Investigator for the global CVD-REAL study which is examining use of real world evidence in understanding the cardiovascular safety of glucose lowering therapies for type 2 diabetes across the United States, United Kingdom, Germany, Sweden, Norway, Denmark, Australia and Asia.

Professor Teede holds an NHMRC Global Alliance grant exploring chronic disease in India, Sri Lanka and Bangladesh and investigates health system improvements jointly with Warwick University (UK).



Ms Samantha Rowbotham

Ms. Rowbotham, an anthropologist, has excavated and analysed human skeletal remains in Central America, South East Asia and Europe. She is currently finalising a PhD with the School's Department of Forensic Medicine. Her research explores bone fracture patterns resulting from falls

using the Victorian Institute of Forensic Medicine's post-mortem computed tomography database and information from the National Coronial Information System. Together, these datasets are unique in the world with regards to their level of detail and her findings have widespread international applications in forensic medicine. Research groups in the USA and Europe have expressed interest in collaborating.

Ensuring supply of basic resources in developing nations

We collaborate with Stanford University and Emory University to test novel ways to improve access to clean water and sanitation in resource-poor areas in India, Fiji and Indonesia. Our researchers also contribute to a Bill & Melinda Gates Foundation consortium to promote immunisation programs in Low and Middle Income Countries.



Providing resources in resource-poor regions



Professor Bebe Loff

Professor Loff's work with the Michael Kirby Centre for Public Health and Human Rights is targeted to ensure that human rights are upheld throughout public health. They have worked with the United Nations, governments and clinicians on projects in refugee health among other areas. Current projects include developing rights-based responses to family violence in India and examining whether standard medical ethics provides sufficient guidance to clinicians in Sudan. They have partnerships with universities in Myanmar and India to develop postgraduate degrees to train researchers in the ethical and legal requirements for research. She also teaches Foundations of International Health.



Professor Jim Buttery

Professor Buttery is President of the World Society of Pediatric Infectious Diseases, is a member of the Strategic Priority Group for the Global Vaccine Safety Initiative of the WHO and sits on the Scientific Board of the Brighton Collaboration, an international network to develop standardised definitions to interpret vaccine safety. Professor Buttery is a member of the Bill & Melinda Gates Foundation funded GAIA consortium to strengthen immunisation programs during pregnancy with specific focus on Low and Middle Income Countries (LMIC). He has active child health research collaborations in Indonesia, and teaches at INDVAC, a BMGF funded vaccinology course in Vellore, India.



Professor Karin Leder

Professor Leder leads a team testing novel ways to improve access to clean water and sanitation in resource-poor areas in India, Fiji and Indonesia, with a focus on assessing resulting health impacts. They collaborate with international partners including Stanford and Emory Universities. She also supervises a PhD student evaluating water and health-related interventions in Bangladesh. Professor Leder is on the Leadership team for an international surveillance network of imported infections (GeoSentinel) and has performed numerous executive and editorial functions for the International Society of Travel Medicine. She is the immediate past-President of the Asia-Pacific Society of Travel Medicine and has served on their Scientific Committee for multiple conferences throughout the region.

Driving occupational and environmental health in Asia

The Monash Centre for Occupational and Environmental Health has a number of collaborations with China. One project develops capacity in occupational disease detection, another supports occupational and environmental epidemiology in the Chinese Centre for Disease Control and Prevention. The group also advises an ASEAN project to develop diagnostic criteria for occupational diseases.