



Australia's
Global
University

UNSW Research Centre for Primary Health Care and Equity Annual Report 2018





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UNSW Research Centre for Primary Health Care and Equity
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ACKNOWLEDGMENT

The Centre for Primary Health Care and Equity acknowledges the Traditional Custodians of the land on which we work and live, and recognises their continuing connection to land, water and community. We pay respect to Elders past, present and emerging.

We would like to thank our long-standing collaborators and supporters, some of whom have been with us since our origins, over than 20 years now.



Within the University of New South Wales, Sydney, the Faculty of Medicine continues to support us generously and provides us with much of the organizational framework within which our research and teaching occurs. We have a particularly strong teaching and research collaboration with the School of Public Health and Community Medicine, and work with Centres and Schools across the university, including the Translational Cancer Research Centre, the Centre for Built Environment, the Social Policy Research Centre and the School of Biomedical Engineering.

Outside the University we work closely with several Local Health Districts and Primary Health Networks. We appreciate particularly the partnership of the three Local Health Districts with whom we have established long standing affiliation agreements and Research Hubs:

the South Western Sydney Local Health District: The Centre for Health Equity Training Research and Evaluation (CHETRE)

the Sydney Local Health District: Health Equity Research and Development Unit (HERDU), and

the South East Sydney Local Health District: South Eastern Research Centre (SEaRCH).

These hubs are joint enterprises between the Local Health Districts and UNSW which allow us to work together to address fundamental issues in primary health care, integrated care and equity. In South Western Sydney the newly formed Academic Primary and Integrated Care Unit (APICU) is affiliated to the Centre, and the Ingham Institute for Applied Medical Research in Liverpool is an important partner and host for CHETRE.

We thank NSW Health – the ministry and the pillars, the Bureau of Health Information, the Agency for Clinical Innovation and the Clinical Excellence Commission, for their support as collaborators and commissioners of work. We are particularly grateful for the support we receive through the Prevention Research Support Program. We also thank all the other bodies who have funded our work or supported it in other ways, including the Sax Institute, the NHMRC and ARC.

We have several local, national and international research collaborators, partners and affiliates – these are listed on page 56. We also acknowledge the many individuals – from health services, non-government organisations and the community – who have volunteered to take part in our research.

Our Steering and Advisory Group have continued to provide us with Committee guidance. We thank their Chairs, Professor Bill Ledger till 2018, (now Professor John Watson) and Emeritus Professor Ian Webster till June 2019 (now Dr Greg Stewart), and all their members.

It is, of course, all our staff who continue to do the work with care and dedication, making a difference. This is an acknowledgement of some of their important work.



BACKGROUND

In the words of one of the most eminent thought leaders in primary care, Barbara Starfieldⁱ

“Inequity is built into health systems-especially health systems that are based on a view of health needs disease by disease. Therefore, the benefits of primary care, which is person- and population- rather than disease-focused, are underappreciated. Data provide evidence not only of its benefit to populations but also of its preferential benefit to the socially disadvantaged”

And in the words of the World Health Organizationⁱⁱ

“Many of the determinants of health and health inequities in populations have social, environmental, and economic origins that extend beyond the direct influence of the health sector and health policies. Thus, public policies in all sectors and at different levels of governance can have a significant impact on population health and health equity.”

Eight out of ten Australians see a general practitioner every year, on average six visits per year, yet hospitalisations are increasing by 3.5% per annum-higher than our population growth of 1.6%.ⁱⁱⁱ Important variations exist in hospitalisations in relation to disadvantage and health literacy.^{iv} Effective, patient centred integrated care avoids unnecessary hospitalisations and re-hospitalisations. Patient centred data platforms can facilitate information sharing and improve care.

CPHCE began in 1996, operating as a UNSW research Centre within the Faculty of Medicine since 2005. Our work supports our mission to contribute to create “better, fairer health and health care in the community” by conducting research, evaluation and development that strengthens primary health care and addresses health inequities.

Much of this work is achieved through our collaborative research Hubs in three Local Health Districts:

- SWS Local Health District based in Liverpool
- Sydney Local Health District in Camperdown
- SE Sydney Local Health District in Darlinghurst

Our main local collaborators are organisations, Primary Health Networks and the Ministry of Health Pillars. Our work is applied, and we support our collaborators by translating results of our research into practice. We conduct our research at all levels, from locally based projects to international collaborations. This enables us to compare across settings, while remaining well grounded in our local communities.





MANAGEMENT

2018 STEERING COMMITTEE

The Steering Committee oversees the work of the Centre, ensuring that it pursues its objectives in line with its terms of reference and ensuring the Centre is financially sound. The Committee met in April, July and October in 2018.

CHAIR

Professor William Ledger	Professor, Head and Professor of the Discipline of Obstetrics & Gynecology, School of Women's & Children's Health, UNSW Sydney
Professor John Watson*	Senior Vice Dean, Clinical Affairs, Faculty of Medicine, UNSW Sydney

MEMBERS

Dr Teresa Anderson	Chief Executive, Sydney Local Health District
A/ Professor Gawaine Powell Davies**	Acting Director, CPHCE, UNSW Sydney
Professor Mark Harris	Executive Director, Centre for Primary Health Care and Equity, UNSW Sydney
Professor Rebecca Ivers	Head, School of Public Health and Community Medicine, UNSW Sydney
Professor Ilan Katz	Professor, Social Policy Research Centre, UNSW Sydney
Amanda Larkin	Chief Executive, South West Sydney Local Health District
Professor Raina MacIntyre	Head, School of Public Health and Community Medicine, UNSW Sydney
Professor Bill Randolph	Director, City Futures Research Centre, Faculty of the Built Environment, UNSW Sydney
A/ Professor Freddy Sitas	Director, CPHCE, UNSW Sydney
Dr Greg Stewart	Director, Primary and Integrated Community Health, South Eastern Sydney Local Health District

**John Watson replaced Bill Ledger as Chair in October 2018*

***A/Prof Gawaine Powell Davies stood in for Terry Findlay as Acting Director until July 2018.*

SECRETARIAT (NON-VOTING MEMBER)

Sarah Ford	Administrative Officer, Centre for Primary Health Care and Equity, UNSW Sydney
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MESSAGE FROM THE CHAIR OF THE STEERING COMMITTEE



My position as a UNSW appointed external Chair of CPHCE has allowed me a fascinating glimpse of the complex environments that CPHCE works within, and its challenges in balancing the complex worlds of academia and the practicalities of day to day local health district realities of delivery of programs to improve the lives of people on the ground. CPHCE gives an impressive picture of how to nurture strong relationships with NSW local health districts, some going back over 20 years and how to work effectively between UNSW and NSW Health

The advantages of the cross-cutting nature of the work of the CPHCE, underpinned by the existing strong relationships CPHCE has with multiple LHDs and specialty networks will form the basis of the proposed mapping exercise, which will provide a mechanism to identify synergies and organic collaborative opportunities which will be valuable to the UNSW Medicine themes.

The need to acknowledge prevention of disease is important, and is a point well made in this report. The faculty needs to be cognisant of the impact that this type of research can have outside of institutional health care settings. This has potential benefits for partner LHDs and SPHERE and is an essential factor in integrated care. This CPHCE proposal for greater communication should provide a vehicle for new networks and new venues for research to be considered by the themes.

In 2018 the Centre's total income was \$4.97m, up from \$4.37m in 2017. The Centre published 3 books, 8 reports, 21 conference presentations, and 81 papers (down from 128 in the previous year, which was unusually prolific). Importantly the Centre's Prevention Research Support Program (PRSP) Infrastructure grant from NSW Health was renewed in 2019 for two years. By any standards of assessment, this represents another successful year for the Centre. The development of multiple health precincts across Sydney will provides further opportunities for growth and development to further the Centre's mission.

A handwritten signature in blue ink, reading "Bill Ledger".

Bill Ledger

Chair, Steering Committee

2018 ADVISORY GROUP

The Advisory Group provides strategic advice to the Centre on its research program. It met on April, July and October in 2018.

CHAIR

E/Professor Ian Webster

School of Public Health and Community Medicine, UNSW Sydney

MEMBERS

Professor William Bellew

School of Public Health, University of Sydney

Tish Bruce

Deputy Director, Ambulatory and Primary Health Care, South Eastern Sydney Local Health District

Elyse Cain

Advocacy Manager, NSW Council of Social Service

Natalie Cook

NSW/ACT PHN Coordinator, Sydney North Primary Health Networks

A/ Professor Gawaine Powell Davies*

Acting Director, CPHCE, UNSW Sydney

Professor Evelyne de Leeuw

Director, CHETRE, South Western Sydney Local Health District, CPHCE, UNSW Sydney

Professor Mark Harris

Executive Director, CPHCE, UNSW Sydney

A/ Professor Ben Harris-Roxas

Director, South Eastern Sydney Research Collaboration Hub (SEaRCH), CPHCE, UNSW Sydney

Tony Jackson

Deputy Director, Primary and Integrated Community Health, South Eastern Sydney Local Health District

Professor Siaw-Teng Liaw

Academic General Practice Unit, Ingham Institute for Applied Medical Research

A/ Professor Jane Lloyd

Director, Health Equity Research and Development Unit (HERDU), CPHCE, UNSW Sydney

Miranda Shaw

General Manager, Community Health, Sydney Local Health District

Chris Shipway

Director Primary Care and Chronic Services, NSW Agency for Clinical Innovation

A/ Professor Freddy Sitas

Director, CPHCE, UNSW Sydney

Vicki Wade

Cultural Lead, Aboriginal Health, National Heart Foundation

Dr Christine Walker

Chronic Illness Alliance, Victoria

**A/Prof Gawaine Powell Davies stood in for Terry Findlay as Acting Director until July 2018*

MESSAGE FROM THE CHAIR OF THE ADVISORY GROUP



Australia's primary health care system is better than most, but there are deficiencies in equity, reach and integration with state health services and hospitals. If the health system is to meet the needs of our geographically and socially distributed population, it will need strong and effective primary health care.

Following the Ebola epidemic, the former President of Liberia and Nobel Peace Laureate, Ellen Johnson Sirleaf, said, "When the primary system is strong, patients develop trusted relationships with their healthcare providers, who can encourage them to seek the care they need, including in times of crisis. Primary health care providers are best positioned to spot the early warning signs of outbreaks – and sound the alarm bell when needed."

In Australia Associate Professor Lesley Russell, of the Menzies Centre, said, "A strong primary care system is essential to the equity, efficiency and effectiveness of the health care system for improvements in health outcomes."

New ways of working and cooperation will be needed if we are to put primary health care and equity at the centre of health care and public health. These issues are the 'bread and butter' of the CPHCE.

The Advisory Group and the Centre's leaders have shared in reviewing the Centre's research and jointly explored plans for the future in the ever-changing health and social environment. This included: health literacy, culture and language in non-English speaking groups in Canterbury and Fairfield; pathways to prevention and care for people

with severe mental illnesses; and the changing tasks of front-line community health workers. Our interactions have been energetic and stimulating. Work on the 'healthy urban environment' and the setting up of an 'Urban Health Incubator' was especially exciting.

Associate Professor Frederic Sitas was appointed the Centre's Director 2018. He brings extensive research experience in areas relevant to the work of CPHCE - prevention of smoking, alcohol and infectious diseases. And his work in managing cancer research programs in Australia and internationally has demanded high level networking skills which will help with the collaboration essential in studies of primary health care and equity.

Professor Siaw-Teng Liaw, Director at CPHCE, now leads the WHO Collaborating Centre on eHealth at UNSW. It assists countries in our region to implement eHealth initiatives furthering universal health coverage and moving nations towards achieving their Sustainable Development Goals.

The highlight of 2018 was the honouring of Professor Mark Harris as an Officer in the Order of Australia (AO) for his academic and research leadership in public health care, evidence-based practice, and equity and his work with refugees. The Advisory Committee is proud of the honour accorded to Mark.

The Advisory Group strongly appreciates the support of the New South Wales Ministry of Health for the funding provided through its NSW Health's Prevention Support Research Program.

We value highly the achievements of Centre's staff and students and their commitment to the principles of equity. We congratulate those who have successfully completed their higher degree studies and research. To those moving to other positions and career pathways, we wish them well for the future and thank them for their contribution to CPHCE.

We strongly support and value the outstanding leadership of Professor Mark Harris and Associate Professor Frederic Sitas as the Centre's Executive Director and Director as well as the leaders of the research hubs and research streams.

A handwritten signature in blue ink, reading "I W Webster". The signature is written in a cursive, flowing style.

EMERITUS PROFESSOR IAN W WEBSTER AO

Chair, Advisory Group

CPHCE BOARD OF DIRECTORS & BIOS

EXECUTIVE DIRECTOR



Professor Mark Harris, Executive Director

Mark Harris is Foundation Professor of General Practice and Executive Director of the Centre for Primary Health Care and Equity at UNSW. He currently is a UNSW Scientia Professor with research experience in the areas of health systems research on chronic illness management and prevention. This includes projects on structured care for Diabetes and Cardiovascular disease and collation of data from division registers, evaluation of health assessments in the elderly and care planning especially in patients with chronic illness. He has also conducted research on health status and interventions with Indigenous people, refugees and unemployed people in primary health care over the last 25 years.

DIRECTORS



A/Professor Gawaine Powell Davies, Director

Gawaine Powell Davies has worked with the Centre for Primary Health Care and Equity since its inception. After a career in health promotion he came to UNSW in 1996 to work with Mark Harris on health care integration, and undertook research, evaluation and development in strengthening primary health care. He was coordinator/director of CPHCE until his semi-retirement when he was succeeded by Terry Findlay in 2018. He later returned as Acting Director when Terry's health forced him to stand aside. He retired from that role in June 2018.



Professor John Hall, School of Public Health and Community Medicine

John Hall comes from a combined General Practice and Public Health background. After completing his medical degree at UNSW, John worked as a volunteer doctor in South Korea and Pakistan which has resulted in a lifelong passion for the delivery of Primary Health Care services in Australia and globally. From 2008-2010 he was Director of the Human Resources for Health Knowledge Hub in SPHCM UNSW for its first two years. From 2010 to 2017 he was convenor of the MPH Program, and from 2015-2017 Director of the Centre for Clinical Epidemiology and Biostatistics (CCEB), at Newcastle University. For the past 23 years, John has practiced as a GP providing Primary Care services in regional NSW. Over this time, John has undertaken consultancies for DFAT, WHO, UNICEF, ADB and USAID in the Pacific (Vanuatu, Papua New Guinea, Solomon Islands, Marshall Islands), Asia (Pakistan, Korea, Indonesia, Vietnam) and Africa (Kenya, Botswana). John brings a passion for the equitable delivery of Primary Care services to people in rural Australia and internationally.



A/Professor Ben Harris-Roxas, SEaRCH, South Eastern Sydney Local Health District

A/Prof Harris-Roxas is Director of the South Eastern Research Collaboration Hub (SEaRCH), a joint initiative of the South Eastern Sydney Local Health District in Sydney, Australia and the UNSW Centre for Primary Health Care and Equity. His research focuses on priority populations' health service needs, health impact assessment, and integrated care. Ben heads up the Health System Integration and Primary Health Care Development Stream within CPHCE.



Dr Andrew Knight, APICU, South Western Sydney Local Health District

Dr Knight has been the acting director of the Academic Primary and Integrated Care Unit (formerly the Fairfield GP Unit) since July 2018. He is a GP staff specialist at the South Western Sydney LHD and a conjoint senior lecturer at UNSW. His research focuses on quality improvement and integration of primary care. Dr Knight has just stepped down as chair of the Nepean Blue Mountains PHN and remains on the board. He is a director of NPS MedicineWise.



Professor Evelyn de Leeuw, CHETRE, South Western Sydney Local Health District

Professor de Leeuw has followed a career in health promotion, urban health, and health political science since the mid-1980s. She has lived and worked in places like El Salvador, The Netherlands, Kazakhstan, Denmark and Australia. Since 1989 she has consistently published theoretical, methodological and practical work in health political science and on Healthy Cities in journals like The Lancet, Social Science and Medicine, the European Journal of Public Health and Health Promotion International. Currently she is professor of public health and director of CHETRE (Centre for Health Equity Training, Research and Evaluation) – an institution that 'co-creates intelligence for better health' (its mission statement) for, with and in South Western Sydney's communities, research establishments and health services. Evelyn is also Editor-in-Chief of Health Promotion International and leads the HUE (Healthy Urban Environments) Collaboratory. She has been connected with global Healthy Cities since 1986.



Professor Siaw-Teng Liaw, WHO Collaborating Centre, SPHCM

Professor Liaw is an internationally recognised primary care and informatics practitioner, educator and researcher. He heads the WHO Collaborating Centre on eHealth. His digital health R&D program includes data analytics of observational data, to co-create integrated person-centred eHealth care models and e-tools to improve clinical decisions, and citizen/community engagement, access, equity and social enterprise to improve individual and population health of vulnerable and underserved communities. He chairs the IMIA Primary Care Informatics WG and is Associate Editor with the Int J Med Informatics and BMJ Health & Care Informatics. He chairs the RACGP National Research and Evaluation Ethics Committee; and member of the Australian National Prescribing Service Data Advisory Committee, RACGP National Research Committee, NSW State Acute Care Taskforce and Genomics Workforce Committee.



A/Professor Jane Lloyd, HERDU, Sydney Local Health District

A/Prof Jane Lloyd is the Director of the Health Equity Research and Development Unit which is a joint initiative of the UNSW Centre for Primary Health Care and Equity and the Sydney Local Health District. She held a NHMRC Early Career Fellowship (2011-16) and was a Senior Research Fellow at the UNSW, Centre for Primary Health Care and Equity (CPHCE). Jane is currently leading research to improve access to primary health care for marginalised groups. Jane's research interests include health equity, primary health care, health literacy, policy implementation, Aboriginal health, and qualitative research methods.



A/Professor Freddy Sitas, Director

A/Prof Freddy Sitas has a D Phil in Epidemiology from Oxford University, an MSc in Epidemiology from London School of Hygiene and Tropical Medicine and an MSc (MED) from WITS University, South Africa. He has made a significant contribution in the design and implementation of policy relevant population and clinical infrastructure studies on chronic disease prevention. He has led several collaborations and consortiums and has published extensively on the effects of environmental and lifestyle factors such as smoking, BMI, alcohol and infection on cancer and premature mortality. He has worked extensively with cancer, mortality statistics and other large health related datasets. He is Conjoint Professor at the School of Public Health and Community Medicine, UNSW Sydney, Associate Professor, School of Public Health, University of Sydney and Honorary Associate Professor at the Menzies Centre for Health Policy, University of Sydney. His current interests include how the primary care sector can become more involved in prevention of chronic disease.



MESSAGE FROM THE EXECUTIVE DIRECTOR



In 2018 the Centre has continued to develop new areas of research of relevance to our health service partners. Our research aligns with the research themes of the Faculty of Medicine at UNSW especially in cancer, mental health and chronic conditions. It also aligns with the Sydney Partnership for Health, Education, Research & Enterprise (SPHERE) and School of Public Health and Community Medicine in these areas as well as in healthy environments.

Our three research hubs CHETRE, HERDU and SEARCH continue to develop under the leadership of Evelyne de Leeuw, Jane Lloyd and Ben Harris-Roxas. These hubs exemplify our approach to research through partnership with local health districts in order to achieve better and fairer health and health care in the community. We have also increased our collaborations with other local health districts in NSW, primary health networks and state organisations such as the Agency for Clinical Innovation (ACI) with the support of continued funding from the NSW Ministry of Health (Prevention Research Support Program).

We have developed new programs of research on the physical health of patients with severe mental illness, use of information technology to prevent and better manage long term conditions and the new and emerging roles of community health workers in the Australian health system especially in health navigation, hospital avoidance and preventive health care. Our research on refugee and immigrant health also matured with a large collaborative study involving GPs in south west Sydney and an innovative academic health service partnership serving communities in Canterbury.

We had changes in staff with the retirement of Elizabeth Comino who has led our data linkage research. Her role has been taken over by Margo Barr. Liz Harris had retired from her role as Foundation Director of HERDU in 2017 and was employed as a senior advisor until the end of 2018 when she retired. Both have left a very significant legacy of continuing research and will continue to have affiliations with the Centre in honorary capacities. Gawaine Powell Davies had stepped back in as Director after the death of Terry Findlay at the end of 2017 and helped to steer us through a difficult time. He stepped down with the appointment of Freddy Sitas as Director in the middle of 2018.

We look forward to leading research in an increasingly dynamic health environment which has many opportunities for innovation and translation.

PROFESSOR MARK HARRIS AO

Scientia Professor and Executive Director, Centre for Primary Health Care & Equity, UNSW Australia





OUR STAFF

PROFESSOR

Professor Mark Harris
Professor Evelyn de Leeuw

MBBS, FRACGP, DRACOG, MD
 MSc, MPH, PhD

ASSOCIATE PROFESSOR

A/Prof Elizabeth Comino
A/Prof Elizabeth Harris
A/Prof Ben Harris-Roxas
A/Prof Gawaine Powell Davies
A/Prof Jane Lloyd
A/Prof Marilyn Wise
A/Prof Margo Barr
A/Prof Freddy Sitas

BVSc, BSc, MPH, PhD
 BA, DipEd, DipSoc Work, MPH, PhD
 BSW, MPASR, PhD
 BA (Hons), MHP
 BAppSc (Health Ed), MPH, PhD
 BA, MHP
 BSc, MPH, GCertTertTLP, PhD
 BSc, MSc (MED), MSc (Epidemiology), D.Phil

SENIOR RESEARCH FELLOW

Gisselle Gallego
Dr Fiona Haigh
Suzanne Ingram
Dr Susan Kirby
David Lilley
Dr Catherine Spooner

BPharm, PhD
 BSocSc, MPH, LLB, PhD
 B.Com
 BSc, MSc, MSc, PhD
 BSW, MPASR
 BA (Hons), MPH, PhD

RESEARCH FELLOW

Dr Sameera Ansari
Dr Amy Bestman
Dr Nighat Faruqi
Dr Karolina Kryszynska
Ms Jane Taggart

BPhy, MPhy, PhD
 PhD, BMedHlthSc (Hons BPubHlth)
 MBBS, MCCH, PhD
 MA, PhD
 BEd, Dip PE, MPH

SENIOR RESEARCH OFFICER

Sharon Parker
Dr Hairong Yu
Heidi Welberry

BHSc (Nursing), MPH, RN
 BEng (Hons), MSc, PhD
 BSc (Hons), MBIostat

RESEARCH ASSOCIATE/RESEARCH OFFICER/PROJECT OFFICER

Melissa Bernstein	BA, MPH, CHES, CPH
Lynette Bolt	BGS, Dip Humanities Pathway Prg UNSW
Alana Crimeen	BPhty, MPH
Koby Elliott	
Dr Kaniz Fatema	BSc (Hons), MSc, MSc, PhD, GCULT
Jessica Harper	BH, MPH
Iqbal Hasan	MBBS, MTH
Dr Mohammad Hossain	BSs (Hons), MSs, PhD
Katie Hirono	BA, MPH
Karla Jaques	BPH
Alamgir Kabir	BSc (Hons), MSc, MPhil
Dr Tejas Kanhere	BEng (Hons), MBBS, FRACGP
Rachael Kearns	BNurs, PG Dip Int Health, MPH, RN
Kate Marshall	BPsyc (Hons)
Annette Riley	BSW (Hons), MSW
Vitor Rocha	MD, MPH, MHM
Shoko Saito	BNg, MCommH, MSC
Dr Nila Sharma	BAGAnSc, MA (Gender & Development), PhD
Hyun Song	BASc, MSc, PhD Candidate
Louise Thomas	BSc, BA
An Tran	BAppSc, MIPH
Tessa Wood	BPess, GradDipPsych, MPH

ADMINISTRATIVE OFFICER

Janelle Farmer	BInSt
Sarah Ford	BBus

CONJOINT STAFF

Ben Cave	Ben Cave Associates
Prof Elizabeth Denney-Wilson	University of Sydney
A/Prof Sarah Dennis	University of Sydney
Dr Rebekah Grace	Macquarie University
Dr Patrick Harris	Sydney University
Dr Karolina Kryszynska	Monash University
Dr Rachael Laws	Deakin University
Prof Jean-Frederic Levesque	Agency for Clinical Innovation
Dr Winston Lo	Western Sydney University
Dr Cathy O'Callaghan	South Eastern Sydney Local Health District
Jude Page	Sydney Local Health District
Claire Phelan	South Eastern Sydney Local Health District
A/Prof Joel Jin-Oh Rhee	University of Wollongong
Dr Heike Schutze	University of Wollongong
Dr Timothy Shortus	Broadway General Practice
Sarah Simpson	World Health Organization
Dr Salim Vohra	University of West London
Dr Qing Wan	Minto Family Medical Centre
Dr Anna Williams	University of Notre Dame Australia
Lisa Woodland	South Eastern Sydney Local Health District

AFFILIATED STAFF

Employed by UNSW School of Public Health and Community Medicine

Prof Siaw-Teng Liaw

Prof John Hall

Employed by Sydney Local Health District

Tania Passingham

Employed by South Western Sydney Local Health District

Dr Andrew Knight

Mary Knopp

Andrew Reid

Charmaine Rodricks

Joan Silk

Dr Aline Smith

Dr Michael Tam

Dr Siggi Zapart



Research

RESEARCH

We focus our research on comprehensive primary health care in communities and choose to work in areas that have some of the highest proportions of people of low socioeconomic, refugee and migrant status and people of Aboriginal and Torres Strait Island origin. We are supported through the organisations that we work with or through external grants or funding programs. To address these challenges our research streams are:

- Prevention and management of long-term conditions
- Health Care System Integration and Primary Health Care Development
- Action for Equity
- Informatics and eHealth
- Health Environment

Research projects active in 2018 are listed below by stream. The chief investigator is named in bold. The project coordinator is in italics. The source of funding is given in brackets. For further details of projects, please see our website (www.cphce.unsw.edu.au)



PREVENTION AND MANAGEMENT OF LONG-TERM CONDITIONS

Long term chronic conditions are increasingly common, have profound social and economic impact on peoples' lives and have been identified as a priority for action in the health sector. They include not only conditions such as cardiovascular disease, diabetes, chronic respiratory and musculoskeletal conditions but also long-term mental illness and complications of cancer and its successful treatment. The burden of these conditions is not equally distributed with high prevalence and worse outcomes for Aboriginal and low socioeconomic groups in Australia. A major focus of our work has been on developing and evaluating better systems of care for all patients and tailoring interventions to better meet the needs of disadvantaged groups especially those with low health literacy.

CHRONIC DISEASE MANAGEMENT

Our research continues to focus on better ways to manage cardiovascular disease, diabetes, chronic respiratory disease as well as the long-term management of cancer. This is based on the chronic care model and the nine building blocks of effective chronic disease management. It includes the development and evaluation of web-based tools to support patient education and electronic care plans which allow truly interactive sharing of care between specialist cancer services and GPs.

Preventing Chronic Disease in Patients with Low Health Literacy using e-health (HeLP-GP)

This is a cluster randomised controlled trial of a complex intervention designed to improve patient health literacy for preventive care in general practice. It involves practices in Sydney and Adelaide and involves patients being recalled for a preventive health check with practice nurses. At the health check patients are assessed and managed across the 5As including use of a mobile App to support their diet and physical activity behaviours and referral to telephone health coaching. The project is a partnership involving University of Adelaide, UNSW, South West Sydney, Nepean Blue Mountains and Adelaide Primary Health Networks and support from the Get Healthy telephone coaching service.



PROJECTS

Electronic shared care plan for long term care of cancer patients: Translational Cancer Research Network (TCRN, SESLHD Innovations, NSW Cancer Institute)

Research Team: **Mark Harris**, *Jane Taggart*, Melvin Chin, Andrew Knight (SWSLHD), John Lewis, Winston Liauw (St George), Kate Webber (POW)

IMPACT study (See PHC and Integration stream). South West Sydney Learning Innovation Partnership Trial. Access to self-management support for patients with type 2 Diabetes. (SWSPHN, SWSLHD)

Research Team: **Mark Harris**, *Shoko Saito*, Catherine Spooner, Amy Prince (SWSPHN), Marija Moretti (SWSPHN), Dianna Milosovic (SWSLHD)

Diabetes management in the community: Evidence check. (Agency for Clinical Innovation, Sax Institute)

Research Team: **Mark Harris**, *Nighat Faruqi*, Terry Findlay, Sharon Parker, Louise Thomas, Ben Harris-Roxas, Jane Taggart, Catherine Spooner.

Self-management of patients with type 2 diabetes (BSc Hons project)

Research Team: **Mark Harris**, Julie Dao (Honours student), *Catherine Spooner*, Winston Lo

Implementation of a decision support triage tool in specialist-general practitioner shared care (TCRN)

Research Team: **Mark Harris**, *Jane Taggart*, Kylie Vuong, Kate Webber (POW)

Monitoring Systems (AMPACE) as a primary healthcare intervention for promoting physical activity in obese patients (RACGP)

Research Team: *Mark Harris*, **Tejas Kanhere**

Allied health in long term cancer care (TCRN)

Research Team: **Mark Harris**, *Stella Jun*, Chris Tsar



CHRONIC DISEASE PREVENTION

Our research on prevention focuses on the SNAPW risk factors (smoking, nutrition, alcohol, physical activity and weight). This is based on 5As framework in primary health care (Assess, Advise, Agree, Assist and Arrange) and includes use of telephone coaching, mobile Apps and physical activity trackers. It is tailored to the health literacy of different population groups and supported by health workers in a variety of roles including practice nurses and community health workers.

PROJECTS

- Consumer Navigation of Electronic Cardiovascular Tools – the CONNECT study (NHMRC)

Research Team: **Mark Harris**, *Sharon Parker*, David Peiris (George Institute)
- Prevention of physical illness in patients with severe mental illness

Research Team: Patrick Bolton, Mark Harris, *Ben Harris-Roxas*, Andrew Knight, Sharon Parker, **Catherine Spooner**, Jane Taggart, Louise Thomas
- Overweight and obesity among adolescent refugees and migrants arriving in Australia: A review of the literature (SESLHD)

Research team: **Ben Harris-Roxas**, *Rachael Kearns*, Lisa Woodland
- Raising awareness of the harms of waterpipe smoking – Evaluation (SESLHD)

Research Team: **Ben Harris-Roxas**
- Preventing chronic disease in patients with low health literacy using e-health and teamwork in primary health care (NHMRC)

Research Team: **Mark Harris**, Karen Campbell (Deakin University), Ian Caterson (University of Sydney), David Crawford (Deakin University), Annie Lau (Macquarie University), Siaw-Teng Liaw, Louise Parker, Manny Noakes (Adelaide University), Don Nutbeam (University of Sydney), *Sharon Parker*, Nigel Stocks (Adelaide University), Elizabeth Denney Wilson (UTS), Nick Zwar (UoW)
- Implementation of a decision support triage tool in specialist-general practitioner shared care (TCRN)

Research Team: **Mark Harris**, *Jane Taggart*, Kylie Vuong, Kate Webber (POW)

HEALTH CARE SYSTEM INTEGRATION AND PRIMARY HEALTH CARE DEVELOPMENT

Integrated Care continues to be a major focus across the NSW health system for the Ministry of Health and Pillars, Local Health Districts and Specialty Networks, and Primary Health Networks. During the year we worked through our research hubs to support a range of integrated care activities and research projects.

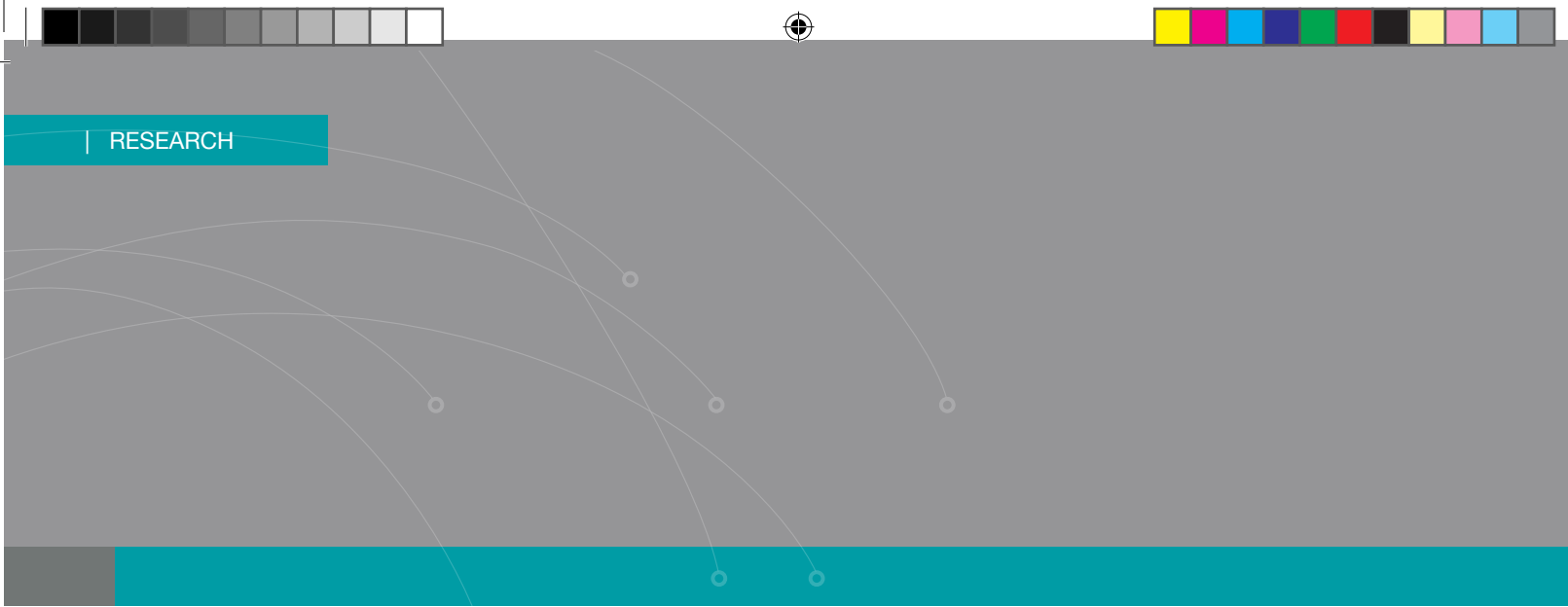
Together with South Eastern Sydney Local Health District we hosted seminars by Dr Robin Miller from the University of Birmingham on “Transformation, integration and primary care”. We also hosted a seminar on the use of the Patient Activation Measure (PAM) with Prof Judith Hibbard, University of Oregon, with the Agency for Clinical Innovation and the Centre for Health Economics Research and Evaluation (CHERE) at UTS.

Central and Eastern Sydney Primary and Community Health Data Linkage Resource

The Central and Eastern Sydney Primary and Community Health (CES-PACHP&CH) Data Linkage Resource is an innovative research platform that has been developed by the Centre for Primary Health Care and Equity in partnership with the Central and Eastern Sydney Primary Health Network, South Eastern Sydney Local Health District, and Sydney Local Health District.

The CES-PACH P&CH resource brings together 10 datasets linked by the Sax Institute and the Centre for Health Record Linkage (CHeReL) based on the 45 and Up Study cohort. This provides a unique and detailed source of data on health and service use over time by 30,645 Central and Eastern Sydney participants aged 45 years and over.

The resource together researchers, practitioners, service providers and data analysts to answer policy relevant research questions and to facilitate translation of research to policy and practice.



PROJECTS

Evaluation of the SESLHD Integrated Care Strategy (SESLHD)

Research Team: *Sameera Ansari*, **Ben Harris-Roxas**, *Julie Osbourne* (SESLHD)

Research on carers' information needs (SESLHD)

Research team: **Ben Harris-Roxas**, *Tessa Wood*

Evaluation of a cervical screening project to increase participation rates of Nepalese and Bangladeshi Women (Cancer Institute NSW)

Research team: **Mark Harris**, *Tessa Wood*

Central and Eastern Sydney Primary and Community Health Data Linkage Resource (SLHD, SESLHD, CESP HN)

Research team: **Margo Barr**, Elizabeth Comino, Kathy Clinch (SESLHD), Deb Donnelly (SLHD), Shona Dutton (CESPHN), Brendan Goodger (CESPHN), John Hall, Elizabeth Harris, Mark Harris, Ben Harris-Roxas, Tony Jackson (SESLHD), Jane Lloyd, Kylie Vuong, *Heidi Welberry*

Use of patient activation measure as a QI tool to support more patient centred care (SESLHD)

Research team: Tom Chapman (SESLHD), Sarah Dennis, Mark Harris, **Ben Harris-Roxas**, Anna McGlynn (SESLHD), *Tessa Wood*

Advance Care Planning for patients with advanced illnesses attending hospital outpatient clinics (SESLHD)

Research team: Ben Harris-Roxas, *Karolina Kryszinska*, **Joel Rhee**, Kate Marshall

Integration of care delivery between general practice and emergency department services in Liverpool (SWSPHN)

Research team: Serena Ayres (SWSLHD), **Andrew Knight**, *Vitor Rocha*, Bishoy Marcus (SWSLHD), Paul Middleton (SWSLHD), Amy Prince (SWSPHN)

Integrating Cancer Survivorship Care with General Practice through improved communication (SWSPHN)

Research team: **Andrew Knight**, *Ivana Durcinovska*, Afaf Girgis

Exploring a Community of Practice for General Practitioners in Fairfield (SWSPHN)

Research team: **Andrew Knight**, Jennifer Green, Mark Harris, Yin Li, Joseph Nicholas, *Hyun Song*, Zahra Rassoly Obayd

Evaluation of the Western NSW Integrated Care Strategy (WNSWLHD)

Research Team: Karen Edwards, **Mark Harris**, Ben Harris-Roxas, *Sue Kirby*, David Lyle (University of Sydney Broken Hill UDRH), Gawaine Powell Davies, Kees van Gool (UTS), Serena Yu (UTS)

Community Health Workers as Health Navigators (CPHCE)

Research Team: **Mark Harris**, Ben Harris-Roxas, Elizabeth Harris, Jane Lloyd, Catherine Spooner, *Nila Sharma*





Since 2017 CPHCE is building projects and collaborations to advance research, policy, practice and evaluation in the area of health environment.

Traditionally the label attached to this field of interest is ‘health and built environment’ or ‘healthy urban planning’. CPHCE deliberately frames its focus on health environment, including (and not limited to) the built, social, natural and corporate environment. We therefore also include a broad range of determinants of health in this scope.

In its work with Local Health District patrons all hubs provide input into public exhibitions and consultation rounds that are statutorily required around major infrastructural change. For instance, CHETRE continues to work with SWSLHD to develop and implement a vision for a Healthy Airport in Western Sydney. In 2017 HERDU coordinated a Health Impact Assessment on the Green Square Draft Infrastructure Strategy and Plan with input from SLHD, the City of Sydney, CPHCE and community organisations. The redevelopment of Waterloo is currently on our planning agenda. This development involves the renewal of public housing and the introduction of social mix based on housing tenure. The development is expected to occur over 15 to 20 years. SEaRCH is contributing to the South Eastern Sydney Local Health District place-based initiatives for equity and wellbeing in Maroubra.

CPHCE and its hubs have been driving the establishment and funding (from January 2019) of the Healthy Urban Environments (HUE) Collaboratory Clinical Academic Group (CAG) of Maridulu Budyari Gumal (SPHERE – the Sydney Partnership for Health Education, Research and Enterprise). Evelyne de Leeuw of CHETRE is Director of the HUE Collaboratory.

Latrobe Health Innovation Zone Charter

CPHCE (Professors Evelyne de Leeuw and Marilyn Wise) were contracted to compile the evidence for population health development and resilience in a background study into the evidence on health development in the Latrobe Valley, Victoria. Over 2015 and 2016 they engaged substantially with the Inquiry Board’s community consultation processes in the Latrobe Valley. In its final report the Board adopted virtually all recommendations of the De Leeuw & Wise Report – including the establishment of a long term, sustainable health zone with a health advocate, aiming for deliberative and participatory engagement processes that would reduce health inequity and generally improve the health of all people in the Latrobe Valley

The relevant research in this space consisted of a systematic review of the health and resilient community decision-making evidence, consultation and validation meetings with communities and stakeholders in Gippsland and beyond, and engagement in policy recommendation formulation practices.

PROJECTS

Quantifying health impacts: supporting local decision making through predictive modelling in health impact assessment

Research Team: **Fiona Haigh**

Rapid Review of local councils' Community Strategic Plans (SWSLHD)

Research team: Alana Crimeen, **Fiona Haigh**, Karla Jaques

Housing & Health partnership: Objective One Working Group Evaluating Housing Relocation Services in South Western Sydney Stage one (SWSLHD)

Research team: Alana Crimeen, **Fiona Haigh**, Melissa Bernstein, Suzanne Ingram

Working with Councils Health Impact Assessment Learning by Doing Training and Support (SWSLHD)

Research team: Alana Crimeen, **Fiona Haigh**, Karla Jaques

Evaluation and dissemination and learning - Wollondilly council (SWSLHD)

Research team: Alana Crimeen, **Fiona Haigh**, Karla Jaques

Peer Review Health Pathways (JACOBS U.K. LIMITED)

Research team: **Fiona Haigh**, Karla Jaques

Health Impact Assessment training and technical support (MNCLHD)

Research team: **Fiona Haigh**, Karla Jaques

Equity focused health impact assessment workshop (SESLHD)

Research Team: **Fiona Haigh**, Ben Harris-Roxas, Karla Jaques

Develop a detailed project protocol, ethics application and evaluation plan prior to the implementation of the housing for health pilot project in Campbelltown (SWSLHD)

Research Team: Alana Crimeen, Karla Jaques, **Fiona Haigh**, Suzanne Ingram

Health Impact Assessment on the removal of Electronic Gaming Machines from Fairfield LGA (SWSLHD)

Research Team: Alana Crimeen, **Fiona Haigh**, Karla Jaques

Health Impact Assessment of the Green Square Urban Renewal Area (SWSLHD)

Research Team: **Elizabeth Harris**, Giselle Gallego, Evelyne de Leeuw, Ben Harris-Roxas, Jane Lloyd

Rapid and enhanced community consultation (SWSLHD)

Research Team: Natalie Gorgioski, Fiona Haigh, Siggi Zapart

Latrobe health Innovation Zone Charter (Department of Health and Human Services Victoria)

Research Team: **Evelyne de Leeuw**



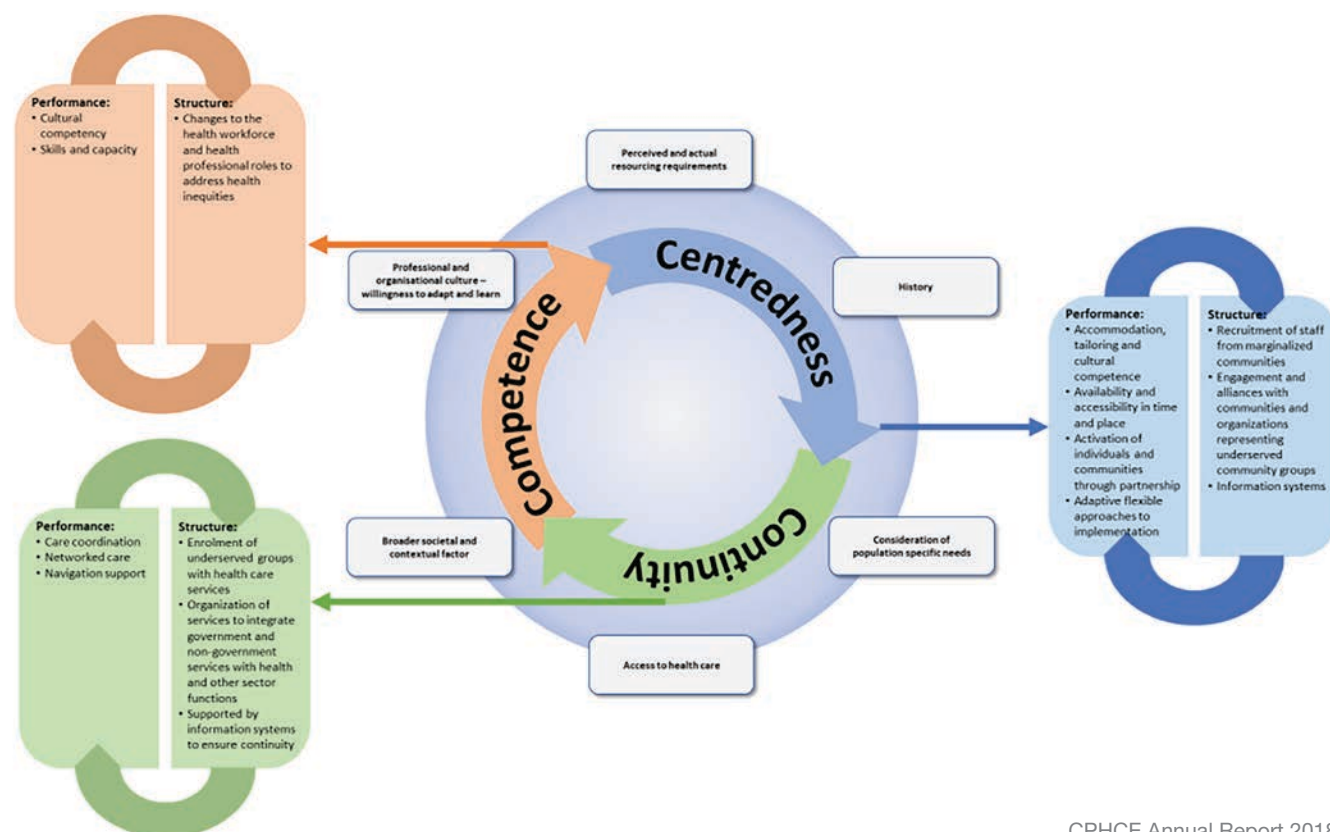
ACTION FOR EQUITY

Health equity means that everyone has a fair opportunity to enjoy good health and to access the health services they need. Inequities arise when there are systemic, avoidable and unfair differences in health status, health risks or access to health care between groups.

Taking action to address inequities is core to the work of CPHCE and its hubs SEaRCH, HERDU and CHETRE. Each of the hubs has an equity focus which is also testament to the Local Health Districts who are committed to providing high quality health services to those patients who need it most and to working with government and non-government agencies to create environments that are conducive to health for all. All hubs contribute to their Districts' Equity strategies, through planning and policy development, or the coordination and organisation of events such as EquityFest (SLHD). Health Impact Assessments (HIA) are one of the tools that can be used to generate action to address health inequalities. In addition to the equity work in the hubs, CPHCE continues to work with WHO on equity driven service model in health and health care delivery.

Literature Review on Gender-sensitive and Equity Focused Service Delivery Models

The Western Pacific Regional Office of the World Health Organization (WPRO) requested a systematic review on gender-sensitive and equity focused service delivery models around the world, to inspire their emerging health policy agenda. CPHCE assembled a diverse research team to initiate and generate a wide inventory of relevant literature – we found 8968 records that were assessed, of which 54 were included in a qualitative synthesis. Upon a critical assessment we developed a programme logic model that may guide future development of gender-sensitive and equity focused service delivery model. The publications out of this project are currently in process.





PROJECTS

Ways of Thinking Ways of Doing (WoTWoD) cultural respect in general practice (In collaboration with Gandangarra Local Aboriginal Land Council Local Aboriginal Organisations) (NHMRC)

Research Team: **Mark Harris**, Iqbal Hasan, *Siaw-Teng Liaw*

Can Get Health in Canterbury (SLHD, CESPHN)

Research Team: Paula Caffery (SLHD), Gisselle Gallego, *Elizabeth Harris*, *Mark Harris*, **Jane Lloyd**, Nathalie Hansen (PHN), Barbara Hawkshaw (PHN), Renee Moreton (SLHD), Miranda Shaw (SLHD), Marilyn Wise

Establish Bi-Lingual Community Educator program (CESPHN, SLHD)

Research Team: Brendan Goodger, *Elizabeth Harris*, **Jane Lloyd**, Annette Riley, Ben Harris-Roxas, Renee Moreton, Lisa Woodland

The OPTIMISE project: Collaborative improvement of primary health care delivery to the Australian refugee community (NHMRC)

Research Team: **Mark Harris**, *Lisa Atkins* (RHS), Winston Lo (WSU), Keith McDonald (SWSPHN), Tadgh McMahon (SSI), Marija Moretti (SWSPHN), Amy Prince (SWSPHN), Amitabh Rajouria (SSI), Shoko Saito, Mitchell Smith (SWSLHD), Hyun Song

Caring for refugee patients: The use of interpreters in primary care (NAPCRG)

Research Team: **Mark Harris**, *Kim Griswold* (University of Buffalo), Fern Hauck (University of Virginia), Anne MacFarlane (University of Limerick), Kevin Pottie (University of Ottawa)

Cervical Screening (Nepalese & Bangladeshi women) (SESLHD)

Research Team: **Ben Harris-Roxas**, *Rachael Kearns*

Develop a Local Drug Action Team in Liverpool (Australian Government and the Alcohol and Drug Foundation)

Research Team: **Evelyne de Leeuw**, *Fiona Haigh*, Sigi Zappart, Andrew Reid

Literature review on gender-sensitive and equity focused service delivery models (WHO)

Research Team: **Mark Harris**, *Fiona Haigh*, Evelyn de Leeuw, Kaniz Fatema, Alana Crimeen, Katie Hirono

WHO Equity Framework Review (WHO)

Research Team: **Mark Harris**, *Fiona Haigh*, Kaniz Fatema, Alana Crimeen





INFORMATICS AND eHEALTH STREAM

This stream has 4 main foci: standards and interoperability, eHealth care of individuals and organisations, eHealth care of populations, and ethical, legal & social issues. The interoperability work is focused on a common data model using a standard architecture and terminology in collaboration with the international Observational Health Data Science Informatics (OHDSI) community. The eHealth care of individuals and populations is focused on the use of mobile health technologies to improve knowledge exchange, education & training, decision support and telehealth. The eHealth care of populations is focused on public health issues, innovation and implementation. The eHealth care projects are being conducted and researched in collaboration with our networks through the WHO Collaborating Centre headed by Professor Liaw. The ethical, legal and social issues associated with this informatics and digital health program are being examined systematically in collaboration with the International Medical Informatics Association Primary Health Care Informatics Working Group.

International health data harmonisation and benchmarking to support research across the continuum of care

Common data models enable the systematic analysis of disparate data sources and facilitate large multi-site collaborations. The Common Data Model project is being featured to highlight the importance of interoperability standards to link records and integrate data from research, observational data from electronic health records (EHR), data from community organisations, and patient-generated data from social media and mHealth applications. This integration of data, services, healthcare professionals, communities and individuals will enhance their quality and fitness for purposes such as care coordination, training and support, research and evaluation, audits and quality improvement. The impact of this work is being realised through Electronic Practice Based Research Network (ePBRN) data analytics projects such as international bench marking project involving UNSW, University of Arizona and Colorado, leading to better understanding of management of opioid use, atrial fibrillation and continuity of care studies in primary care. Data quality projects are also being conducted with the OHDSI community.

PROJECTS

International health data harmonisation and benchmarking to support research across the continuum of care

Research Team: Chitta Baral (Arizona State University), **Siaw-Teng Liaw**, Simon de Lusignan (University of Surrey), Guan Guo, Mark Harris, *Jitendra Jonnagaddala*, Louisa Jorm (UNSW), Michael Kahn (University of Colorado), Nigel Lovell (UNSW Biomedical Engineering)

Continuity of care in the Wollondilly Integrated Health Neighbourhood (SWSLHD, SWSPHN)

Research Team: Justin Duggan (SWSLHD), Guan Guo, Bin Jalaludin, *Jitendra Jonnagaddala*, **Siaw-Teng Liaw**, Keith McDonald (SWSPHN)

Systematic review: The use of mHealth in Healthy Ageing and Age-friendly care and services (WHO WPRO)

Research Team: *Sameera Ansari*, Mahfuz Ashraf, Jitendra Jonnagaddala, **Siaw-Teng Liaw**, Mark Harris, Ben Harris-Roxas, Padmanesan Narasimhan

Systematic review: mHealth in Integrated Service Delivery: A Systematic Review and Assessment framework (WHO)

Research Team: **Siaw-Teng Liaw**, *Myron Godinho*, Jitendra Jonnagaddala, Nachiket Gudi, Rubana Islam, Padmanesan Narasimhan

Co-creating profiles of Pacific Island countries to inform decision making on eHealth projects (WHO)

Research Team: *Sameera Ansari*, **Siaw-Teng Liaw**, Myron Godinho, Jitendra Jonnagaddala

COPD Patient driven Actions within a Concordant Evidence based agenda in Primary Care (SPHERE RSEOH)

Research Team: Sheree Smith, Guy Marks, Bin Jalaludin, **Siaw-Teng Liaw**, F Garden

Natural language processing of pathology results and progress notes to improve data quality to examine antibiotic resistance (UNSW SPHERE Triple-I)

Research Team: Louise Causer, *Jitendra Jonnagaddala*, Rebecca Guy, Douglas Boyle, **Siaw-Teng Liaw**

Pilot project on telemonitoring and early detection of exacerbations of CHF (NSW Health Translational grant scheme, NHF, UNSW SPHERE CVD CAS)

Research Team: **Sze-Yuan Ooi**, Nigel Lovel, Katherine Delaware, *Siaw-Teng Liaw*, Branko Celler, Greg Caplan, Robyn Gallagher, Anushka Patel, Martin Brodie Louisa Jorm

Pilot study: Smart telemonitoring to predict and detect Acute exacerbations of COPD early (SPHERE RSEOH)

Research Team: **Branko Celler**, Christine Jenkins, David Peiris, Siaw-Teng Liaw, Alireza Argha

NHMRC Centre of research excellence in Digital Health (NHMRC)

Research Team: **Enrico Coiera**, Paul Glasziou, William Runciman, David Hansen, Siaw-Teng Liaw, Farah Magrabi, Vitali Sintchenko, Karin Verspoor, Blanca Gallego-Luxan, Annie Lau



RESEARCH AND DEVELOPMENT HUBS

CPHCE has research and development hubs located in our three neighbouring Local Health Districts:

Sydney, South Eastern Sydney and South Western Sydney. Each hub is a joint venture between the University and the Local Health District with a formal agreement, an advisory committee and joint funding. The work in each hub reflects the needs and opportunities within its Local Health District, with all involved in research and evaluation, research translation, education and capacity building in health services advocacy for equity and building partnerships between Local Health Districts and Primary Health Networks.

SOUTH EASTERN SYDNEY RESEARCH COLLABORATION HUB (SEaRCH)

The South Eastern Sydney Research Collaboration Hub (SEaRCH) was established in 2015 as a partnership between the South Eastern Sydney Local Health District and the UNSW Centre for Primary Health Care and Equity. Since its foundation SEaRCH has continued to build its programs of research on chronic disease and multi-morbidity, integrated care, and priority populations' health service needs. SEaRCH employs five staff: Dr Cathy O'Callaghan, Dr Nina El-Haddad, Jess Harper, Rachael Kearns, and Iqbal Hasan. Its Director is A/Prof Ben Harris-Roxas.

SEaRCH has new and ongoing collaborative research projects on a range of topics:

- integrated care
- shared care of people with complex and chronic conditions
- awareness of the harms of water pipe use in Arabic-speaking communities
- the use of translation apps in healthcare settings
- carer's needs
- participation in cancer screening programs amongst priority populations.

SEaRCH is involved in a number of activities to support research and evaluation. This included offering the PHCM9615 Principles and Practice of Primary Health Care course externally (distance mode) for the first time within the UNSW Master of Public Health and Master of Health Management programs, which enabled more clinicians to participate in the course. There are currently also three PhD students associated with SEaRCH.

SEaRCH staff are members of a range of South Eastern Sydney Local Health District, Central and Eastern Sydney Primary Health Network, Uniting War Memorial Hospital, and NSW Agency for Clinical Innovation steering and advisory groups related to primary health care, integrated care, and research.



CENTRE FOR HEALTH EQUITY TRAINING, RESEARCH AND EVALUATION (CHETRE)

CHETRE has been operating in South Western Sydney since the mid-1990s and has been a part of CPHCE since its inception. It continues work in three research streams: Indigenous health, decision support tools (HIAs) and engagement with locationally disadvantaged communities. In addition, there is a Special Projects area in which development work is carried out that relates to health and urban planning, health political science, and initiatives that embrace community engagement and research governance. CHETRE has continued to work closely with the Division of Population Health in SWSLHD, by:

- developing a healthy airport concept paper and implementing its findings with a broad range of local and international stakeholders
- developing and piloting an Equity Strategy for SWSLHD
- planning and delivering work on alcohol related harm through presentations and development of a Local Drug and Alcohol Teams (LDATs)
- participating in steering groups for the SWSLHD and SWSPHN Joint Needs Assessment and Campbelltown - Changing our Future: a whole of systems approach to childhood obesity in south western Sydney
- conducting research on integrating health considerations in local government planning in Wollondilly Shire Council and the Wollondilly Health Alliance – aiming to apply insights to other emerging Alliances in Western Sydney
- developing a long-range retrospective study of locational disadvantage data, methodologies and programme logic/ theory with a view to 'scale wide' from current hotspots to new areas

- working with the Housing and Health Partnership to map the housing relocation process and identify points of intervention and supporting the development of a housing improvement intervention for new parents in social housing in Campbelltown
- implementing a Learning by Doing Health Impact Assessment training for SWSLHD Population Health, SWSPHN and four Councils.

CHETRE's Locational Disadvantage Stream was funded to lead the development of a Local Drug Action Team (LDAT) in the Liverpool area. The CHETRE outreach service, Community Service for Training and Research (STaR) has been working with Fairfield Health Alliance to deliver a Community STaR Forum on gambling related harm.

Student interns from the UNSW MPH program have contributed to supporting CHETRE projects, and the Centre hosted a visit by a cohort of US students applying HIA techniques. A student intern from University of Southern Denmark completed a review 'Mapping the Role and Responsibilities of South Western Sydney Local Health District in Relation to Locational Disadvantage'. CHETRE has been instrumental in establishing the Healthy Urban Environments Clinical Academic Group at the Sydney Partnership for Health, Education, Research and Enterprise (SPHERE) Maridulu Budyari Gumal which Professor Evelyne de Leeuw directs – with a total budget of \$400k and collaborative arrangements with two other universities (UTS and WSU) and one other LHD (South Eastern Sydney). CHETRE is offering hot desks to visiting scholars and our local academic partners.

In Aboriginal Health the Stream Lead has shifted perspective from the epidemiological cohort study approach to an Indigenous owned and controlled reinterpretation of research and knowledge systems, including work on Aboriginal Data Sovereignty.



HEALTH EQUITY RESEARCH AND DEVELOPMENT UNIT (HERDU)

Health Equity Research and Development Unit (HERDU) has been in operation since 2014. It is a unit of Sydney Local Health District (SLHD) and a research hub of the Centre for Primary Health Care and Equity (CPHCE) at UNSW Australia.

HERDU works with SLHD staff, partners and with communities to improve the health of groups of people who do not have opportunities to receive the health care and resources they need to be as healthy as others in the population. It does so through the research, service development and education programs that it leads and by supporting existing SLHD services, programs and process.

HERDU has led several events, programs and projects, and developed a variety of resources.

The second annual EquityFest was held in March 2018. Once again, the event hosted over 250 attendees from SLHD, other government sectors, community organisations, non-government organisations and community members. The theme in 2018 was "Social Inclusion - Leaving No one Behind" and participants were treated to an engaging day full of networking, case studies and presentations.

The Equity Challenge is an ongoing program that enables capacity and skill development among staff and partner organisations to identify and address equity issues. Back in 2017, a share of \$30,000 was awarded to three teams to develop their project ideas and learn valuable skills to identify and address health inequities in their services. These teams continued to work on their projects in 2018 and will be reported on in 2019. The HERDU Executive Steering Group reviewed the Equity Challenge framework and Challenge projects will be called for again in 2019.

Can Get Health in Canterbury (CGHiC) is a place-based intervention that aims to improve health and reduce inequities for marginalised culturally and linguistically diverse populations in the Canterbury region. A selection of the activities conducted throughout 2018 include:

- Bangladeshi Women's Circle
- Navigating Mental Health in Canterbury: Forum for Community Workers
- Rohingya Little Local project: This project was modelled on the Big Local initiative in the UK. The Rohingya community, Burmese Rohingya Community Australia (BRCA), were invited to decide the priorities for \$10K funding that would improve their health. As well, the community was able to strengthen their skills in governance, project management and negotiation. The two activities they have planned are a community picnic and an indoor football (futsal) tournament both to be conducted in 2019.
- The part-time employment of the Bangladeshi Community Networker and a casual Bangladeshi worker.
- A Showcase of CGHiC activity was held on 5 December 2018 at Canterbury League Club. Approximately 30 people attended, representing SLHD, UNSW, CESPHE, Canterbury community organisations and services and the Ministry of Health.

During 2018 HERDU commenced updating the publication "Working together: intersectoral action for health" (a guide for organisations), including the analysis of contemporary illustrative case studies involving the health and other social sectors.

Collaboration with Health Direct has seen a scoping literature search conducted to identify evidence for effective interventions to improve access to healthcare for migrant mothers and their newborns. A protocol for evaluating the impact of parenting classes in language and the effectiveness of patient recruitment strategies has been developed. This project will continue in 2019 in partnership with SLHD Community Health.

Waterloo faces substantial changes in the near and longer term, with the development of a new Metro Quarter over the next three years, the redevelopment of the Waterloo Estate over 15-20 years, as well as any additional redevelopment that may be catalysed by these initiatives.

HERDU is conducting a staged Health Impact Assessment (HIA) that will address specific issues/topics relevant to specific stages of the planning and development processes noted above. The HIA will provide an important input into each of these processes and will support HERDU and SLHD more broadly to provide tailored input and recommendations.

A Steering Committee was established in 2018. It agreed that the first topic to be addressed is the stress and anxiety associated with the hiatus period between the announcement of rehousing staging and timeframes, and the event of relocation.



RESEARCHER PROFILE

Associate Professor Margo Barr



I was first exposed to the Centre for Primary Health Care and Equity (CPHCE) when I came to NSW to run the NSW Health Survey Program for NSW Health in 2001. The input from CPHCE resulted in the NSW Population Health Survey being one of the first in Australia to include questions on social capital. So, when an opportunity arose for me to join CPHCE to lead the research using the Central and Eastern Sydney Primary and Community Health Data Linkage Resource (CES-P&CH) I gladly did so.

The CES-P&CH includes questionnaire data (45 and Up Study, managed by the Sax Institute) and administrative data (primary care records, prescribing information hospital records, emergency department records, cancer registry, and vital statistics) on over 30,000 participants aged 45 years and over in Central and Eastern Sydney (264,732 in NSW). The resource is used to answer policy relevant research questions and to facilitate translation of research to policy and practice.

I am an epidemiologist with interests and expertise in large-scale cohort studies, behaviour risk factors and disease surveillance, primary health care and welfare, and survey and data linkage methodology. I completed my Bachelor of Science in the early 80s and then spent 5 years in Papua New Guinea as a Malaria Parasitologist where I was first introduced to epidemiology. I subsequently completed my

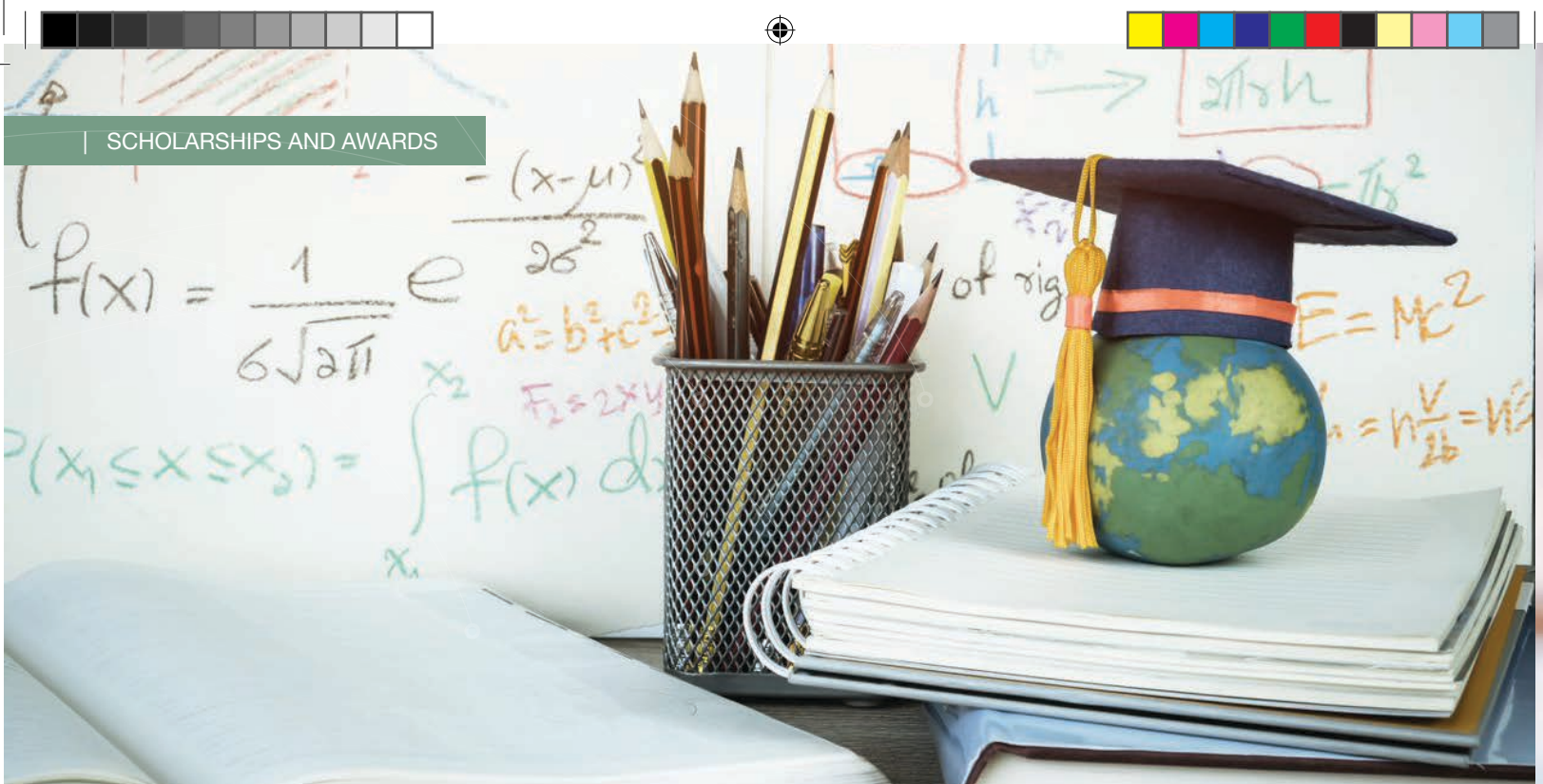
Master of Public Health in Epidemiology and Statistics in the 90s and worked as an epidemiologist for state and federal governments and associated organisations for over 20 years. These roles included disease surveillance and monitoring, outbreak investigations, health service evaluation, applied research, survey and cohort management including managing the NSW Population Health Survey at the NSW Ministry of Health, the Pathways of Care Longitudinal Study at the Department of Families and Community Services and the 45 and Up Study at the Sax Institute.

I completed my doctorate in 2016 at the National Institute for Applied Statistics Research Australia, University of Wollongong. I explored quality issues in multipurpose ongoing population health surveys which included the impact of and solutions for diminishing coverage of landline phone frames because of mobile-only phone users. This mobile phone number augmentation research, which resulted in 4 journal publications and has been cited in over 50 peer-reviewed publications, has changed the landscape of how ongoing telephone surveys in Australia are being conducted.

Although research has not been the focus of my career until recently, I have always been curious to find the answers to problems that I encounter and to share the solutions with others. This has resulted in over 50 conference presentations and over 40 journal articles which have been cited over 1000 times. The most highly cited journal articles include lifetime suicide risk, pandemic influenza, falls among elderly community-dwelling older people, sun exposure and primary prevention, optimising acute myocardial infarction care, trends in physical activity and inclusion of mobile phone numbers into health surveys.

Some of the highlights of my career have included: changing the malaria blood collection forms to include 'date of collection' as well as 'data of examination' to facilitate outbreak investigations; completing the National Strategic Plan for TB control in Australia Beyond 2000; being a member of the ABS National Health Statistics Advisory Group; being invited to present at the FLUMODCONT Technical meeting in Rome, Italy in 2008 on willingness to comply during influenza pandemics; working with the Garvan Institute on the creation of the Medical Genomics Reference Bank; and chairing the Health Data Linkage Interest Group Forum in 2017.

When I am not at CPHCE you will find me out sailing (or working on my boat), singing with the local community choir, digging in the community garden or spending time with my family and friends.



SCHOLARSHIPS AND AWARDS

SCHOLARSHIPS

Jinhee Kim

- UNSW Scientia PhD Scholarship 2018-2021

Jude Page

- Australian Government Research Training Program PhD Scholarship 2018-2021

Hyun Song

- UNSW Tuition Free Scholarship (TFS) 2016 -2019

Uday Narayan Yadav

- UNSW International Postgraduate Award 2018-2021
- Medibank International Fieldwork Grants 2018

AWARDS

Mark Harris

- Officer of the Order of Australia (AO) 2018 for distinguished service to education, and to the community, in the area of public health care, evidence-based practice, and equity, as an academic and researcher, and to refugees.
- Fellow of the National Heart Foundation of Australia 2018 in recognition of significant contribution.





TEACHING

Our teaching within the Faculty of Medicine, elsewhere in UNSW and for other universities and organizations allows us to share current research with students and enables staff to develop and maintain their teaching experience. Below is a summary of teaching by Centre staff in 2018.

UNDERGRADUATE MEDICINE AT UNSW

Subject	Lecturer(s)
Foundation Course	Mark Harris, Elizabeth Harris
Independent Learning Project – student placement	Mark Harris (supervisor), Michael Tam
Phase 1 Clinical Teaching	Andrew Knight, Michael Tam, Siaw-Teng Liaw
Phase 2 Society and Health	Siaw-Teng Liaw, Michael Tam
Phase 3 Primary Care	Siaw-Teng Liaw, Michael Tam, Andrew Knight
A career in health promotion	Evelyne de Leeuw (guest lecturer)
Determinants of health	Evelyne de Leeuw (guest lecturer)
Health Literacy in Primary Health Care	Jane Lloyd (guest lecturer)
QMP Phase 1 Society and Health	Kaniz Fatema (tutor)



POSTGRADUATE MEDICINE AT UNSW MASTER OF PUBLIC HEALTH PROGRAM

a) MPH Electives run through CPHCE

Subject	Lecturer(s)
Health Impact Assessment PHCM9628	Fiona Haigh (convenor), Marilyn Wise, Ben Harris-Roxas
Inequalities in Health PHCM9626	Elizabeth Harris, Jane Lloyd (convenor), Evelyne de Leeuw Jude Page, Peter Sainsbury, Hyun Song, Marilyn Wise
Prevention and management of chronic disease PHCM9129	Mark Harris (convenor), Elizabeth Denney-Wilson, Sarah Dennis Mary-Beth MacIsaac, Catherine Spooner, Jane Taggart Ben Harris-Roxas
Principles and Practice of Primary Health Care Services in the Community PHCM9615	Ben Harris-Roxas (convenor), Mark Harris, Jane Lloyd

b) Contributions to other MPH Courses

Subject	Lecturer(s)
Foundations in Public Health & Health Care Systems PHCM9041	Ben Harris-Roxas, Evelyne de Leeuw
Development human rights and health	Fiona Haigh
Environmental Health PHCM9612	Ben Harris-Roxas

Other Teaching

Subject	Lecturer(s)
Supervision of GP Registrars in Practice for GP Synergy	Siaw-Teng Liaw, Andrew Knight, Joel Rhee, Michael Tam

Short Courses and Workshops

Course	Lecturer(s)
Improving access to quality health services to improve health equity: learning by Doing. Two-day intensive workshop and mentoring	Elizabeth Harris, Marilyn Wise, Telphia-Leanne Joseph
Health Impact Assessment Learning by Doing Training	Fiona Haigh (coordinators and lecturers)

PHD RESEARCH STUDENTS

The Centre provides many opportunities for research students. In 2018 a total of ten PhD students were enrolled at the Centre (including a number of CPHCE staff members). In addition, CPHCE staff co-supervised a number of students from other Universities.

Name	Thesis Title	Supervisor/ Co-supervisor	Expected Completion/ Award Date
Rashid Muhammad Ansari	Self-management of type 2 diabetes: focusing on the middle-aged population of rural area of Peshawar Pakistan	Hassan Hosseinzadeh Mark Harris	2020
Myron Anthony Godinho	Integrating eHealth, Social Business and Citizen Engagement to Achieve Sustainable Development Goals	Siaw-Teng Liaw Md Mahfuz Ashraf, Mark Harris	2022
Telphia-Leanne Joseph	Career Pathways for Aboriginal and Torres Strait Islander Health Professionals	Lois Meyer, Mark Harris	2021
Jimhee Kim*	Healthy cities: health equity in Sydney's fastest growth area	Evelyne de Leeuw, Ben Harris-Roxas, Susan Thompson, Peter Sainsbury	2021
John Lewis	Enhanced information systems to support general practitioners to manage the monitoring and treatment of colorectal cancer survivors in accordance with principles of evidence-based practice	Siaw-Teng Liaw Ben Smith, Pradeep Ray	2019
Jude Page	Image based tools (My Story Cards) to improve objective, interpersonal communication in shared decision making	Evelyne de Leeuw Theo van Leeuwen Timothy Broady	2021
Pankaj Garg	Well Child Care	John Eastwood, Siaw-Teng Liaw	2018
Hyun Song	Measurement and Meaningful Use of Patient Experience in Australian Primary Health Care	Mark Harris , Jean-Frederic Levesque , Sarah Dennis	2019
Hester Wilson	Shared care between general practice and specialist alcohol and other drug services	John Hall, Ben Harris-Roxas	2023
Uday Narayan Yadav	Does a health literacy-responsive self-management intervention lead to improved self-management practices among multi-morbid COPD patients in Nepal	Mark Harris, Jane Lloyd Hassan Hosseinzadeh	2021

* CPHCE Staff enrolled in post-graduate study

INDEPENDANT LEARNING PROJECT (ILP) RESEARCH STUDENTS

Name	Thesis Title	Supervisor/ Co-supervisor	Completion
Shreenithi Meyyappan	Barriers and Enablers of Access to Primary Health Care for Refugees settled in Sydney	Mark Harris	2018

PHD STUDENT PROFILE

Uday Narayan Yadav, MSc, MPH, PhD Scholar



My path to studying PhD in Public Health at the Centre for Primary Health Care and Equity (CPHCE) has most probably been longer than most. I chose CPHCE because of the uniqueness, flexibility and rigour of its implementation research, and the opportunity to learn from some of the world's foremost experts in the field.

After completion of my Master's degree in public health (Epidemiology) in 2014 from Manipal University, India, I started working as a Program Manager at INGO in Nepal. The community exposure in Nepal gave me great insights into community health problems, which was far more than one gets from book and journals. This inspired me to go for higher study, where I can merge both field and academic knowledge for the benefits of those whom I choose to serve in my life. I am always, troubled by the vast inequalities in health status and outcomes in Nepal and around the globe, particularly in chronic disease. Being afflicted with a non-communicable disease is more fatal in Nepal than in developed countries because of affordability, restricted accessibility to adequate medical treatment and poor self-management of the conditions. The poor are disproportionately vulnerable in Nepal. Seeking

to make a difference, I committed myself to be a factor for change by intervening in the underlying structural determinants of health and wellbeing for chronic disease patients. Therefore, I decided to work on designing and piloting of self-management intervention for multi-morbid Chronic Obstructive Pulmonary Disease (COPD) patients of Nepal with the excellent team of CPHCE, UNSW, Prof. Mark Harris, Associate Prof. Jane Lloyd and Dr Hassan Hosseinzadeh (from the School of Public Health and Community Medicine).

Since I'm only in my first year, I'm still exploring opportunities to get involved in other research activities besides my PhD work to get further in-depth knowledge about Australian health systems and policies. I believe I will gain invaluable experience in community-centred program design, impact evaluation and data analytics, and the emergent field of action research. Having been involved in other research projects, it became increasingly apparent that to perform quality research; I required more knowledge about designing intervention, methodological considerations as well as further statistical expertise. This opportunity at CPHCE is a way for me to explore in-depth the full span of these topics areas and contribute to developing better quality evidence.

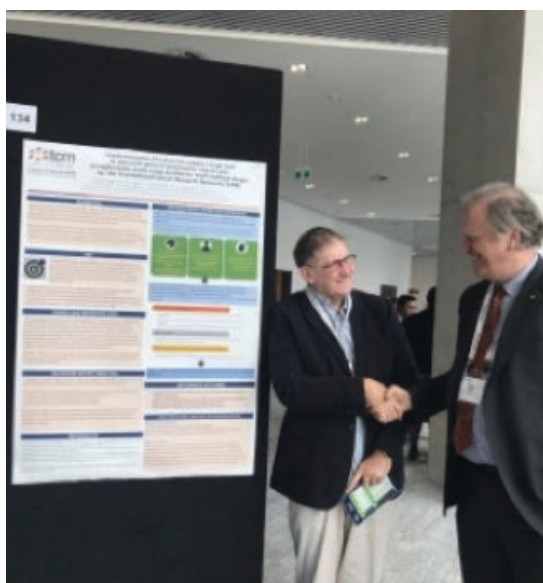
Some of the most rewarding parts of the work I've done so far have been connecting with others passionate about public health and sharing knowledge – both through teaching in academic settings and through training and disseminating research globally. Once I graduate, I'd love to pursue a career that combines rigorous, consequential analysis and its translation into impactful public health practice in the places and for the people who will benefit the most.

I am very indebted to my team for their enormous support, guidance and being a source of inspiration for me. Additionally, it would be unfair if I fail to thank CPHCE academic team and administrative team, who always been very helpful in need.

VALE JOHN LEWIS



In memory of John Lewis who was a collaborator, consumer representative, PhD student and most of all a very positive and caring colleague who worked to improve the experience for consumers accessing health services, particularly for those with cancer. John passed away on the 7th April 2019 after suffering from colorectal cancer.



He became known to CPHCE when he started his PhD back in 2015 with the School for Public Health and Community Medicine and the WHO Collaborating Centre on eHealth. His research topic was to "Develop a Framework for improving Health Information Systems to support the care of colorectal cancer survivors in primary/shared care settings". This was developed through his lived experience with colorectal cancer, his expertise in health informatics and earlier work as a clinician in social work. John identified gaps in the health information systems in primary care to support quality care for cancer survivors.

At the same time as starting his PhD he joined the electronic Practice Based Research Network team and provided expert advice on health informatics and supported the work on data models.

John became an active partner in the Electronic Shared Care Plan between Cancer Services and Primary Care and the Decision Support Triage Tool Projects through his membership in the Translational Cancer Research Network's Consumer Advisory Committee. He was involved as an investigator, he assisted in developing and implementing the projects and presented the work at key conferences.

John has been a valued, thoughtful and kind colleague who has provided insightful advice that has enriched our research.

His courage in managing his cancer and staying positive in the last few months was amazing. We have lost a wonderful colleague and express our condolences to his family. We will miss him very much.



KNOWLEDGE EXCHANGE & CAPACITY BUILDING

We use the results of our research to influence health care and outcomes. In disseminating our findings, we go beyond publishing in academic journals and presenting at conferences. We work with health departments, Primary Health Networks and Local Health Districts to support planning, implementing and reviewing policy and practice, with our three research Hubs providing an important meeting place with Local Health Districts.

We have completed an eight-part online course module for practitioners in primary health research.^v The webpage provides selected resources to assist people involved in commissioning, conducting or using the results of research or evaluation to improve prevention and health promotion. It includes links to documents and websites on research topics as well as topic areas that are important for prevention research in primary health care.

Most of the students in our postgraduate courses in the Master of Public Health program at UNSW Sydney are health professionals and others working in the primary health sector, and our workshops and seminars are directed towards health service as well as academic audiences.

Listed below are the events conducted in 2018, including seminars, webinars, workshops and forums. We recognise the financial support of the NSW Ministry of Health through the Population Health & Health Services Research Support Program and the Prevention Research Support Program funding. These contribute significantly to our capacity to make these web courses and events accessible to staff of the NSW health system.

CALENDAR OF EVENTS

Name	Presenters	Date	Number of registrations
Sydney Local Health District Equity Fest	Zione Walker-Nthenda	2-Mar-18	260
Meeting the physical health needs of people with serious mental illness in primary health care forum	Kate Bosanquet	7-Mar-18	98
Research Priorities Forum	Prof Jean-Frédéric Levesque	22-Mar-18	48
Healthcare Access: The role of lay and community health workers in serving people who need health services most	Dr Simone Dahrouge	26-Mar-18	53
Healthcare Access: Training community health workers to navigate health and social care – a Canadian case study	Dr Simone Dahrouge	27-Mar-18	25
Working with local government to create healthy landscapes, lifestyles and livelihoods	Dr Thierno Diallo Jinhee Kim	22-May-18	40
Lay Navigators: Improving access to health and social care for those who need it most: A New Zealand Case Study in complex clinical care.	Fiona Doolan-Noble	25-Jul-18	52
Community Health Workers: an essential workforce for the Australian health system	Lou- Anne Blunden	26-Jul-18	44
Improving the physical health of people with severe mental illnesses	Prof David Osborn	24-Sep-18	57
CPHCE Annual Forum	Prof Don Nutbeam	19-Sep-18	136
Inequality and Mental Wellbeing Symposium	Prof Fran Baum	16-Oct-18	100
Community consultation on alcohol related harm	Fiona Haigh , Siggi Zapart Andrew Reid	6-Dec-18	25

2018 CPHCE ANNUAL FORUM

19th September 2018, John Niland Scientia Building, UNSW Sydney

The CPHCE Annual Forum is an important event where we showcase our current research and recognise organisations and individuals with whom we have worked and who have assisted us in our research. It is also a networking opportunity where our staff can meet staff from our partner organisations. About 135 staff, research partners and colleagues from interstate, Local Health Districts and Ministry of Health registered for this year's Forum.



New research programs

- Community Health Workers as Health Navigators
- Preventive and physical care for patients with Severe Mental Illness
- Health care for socially isolated patients
- Organisational health literacy
- Healthy Airports
- Aboriginal health data governance



The Forum theme was on “Health Literacy”. Professor Don Nutbeam (Professor of Public Health at Sydney University School of Public Health) presented the “Ian Webster Health for All” Oration entitled “Health education, health promotion, and health literacy – a personal journey”. Mark Harris, Jane Lloyd, Siggi Zappart and Andrew Reid highlighted some of our work around health literacy followed by a panel commentary and plenary discussion comprising Nicola Dunbar (Australian Commission on Safety and Quality of Health Care), Amy Prince (South West Sydney Primary Health Network), Regina Osten (Agency for Clinical Innovation), Don Nutbeam (School of Public Health, University of Sydney), and Lou-Anne Blunden (Sydney Local Health District). The day’s theme was featured as a news link by Croackey online.^{vi}

Prof Anthony Kelleher, Senior Vice Dean, Research, Faculty of Medicine, UNSW presented the CPHCE partnership awards –



*Individual Partnership Award
– Lou-Anne Blunden*



*Career Achievement Award
– A/Prof Gawaine Powell Davies*



*Organisational Partnership
Award - Wollondilly Shire
Council*



*Career Achievement Award
– A/Prof Elizabeth Comino*



*Health Impact Assessment
Partnership Award -
Planning, Population
Health and Equity, South
Eastern Sydney Local
Health District*



*Research General Practice
Award - Dr Olataga Alofivae-
Doorbinia, Powell Street Family
Practice*

Research General Practice Award - Dr Zahra Rassoly Obayd, Fairfield West Medical Centre
Research General Practice Award - Dr Ron Campbell, The Oaks
Research General Practice Award - Dr Soheyl Aran, Cecil Hills Medical Centre



SYDNEY LOCAL HEALTH DISTRICT EQUITY FEST

2nd March 2018, National Centre for Indigenous Excellence, Redfern

Sydney Local Health District (SLHD) Equity Fest is an annual event. Its purpose is to progress the equity agenda in the SLHD in partnership with our communities, and governments and non-government organisations. It is a festival and celebration of our current work and an opportunity to reflect on how we might better identify and reduce inequities in the health of our communities as we move towards providing opportunities for everyone to achieve their health potential.

The theme was “Investing in the future – leaving no one behind”. Over 260 participants from partner agencies, local government, NGOs, academics and community groups attended.

Zione Walker-Nthenda a human rights lawyer, facilitator and program designer provided the keynote entitled “Leaving no one behind: what is required by whom, when and how”.

The format of the event included break-out sessions where smaller groups identified ways to Join-In or Speak-Out on important topics. Join-In sessions aimed to identify actions to progress the equity agenda beyond the usual sphere of activity in the areas of child development, LGBTIQ, refugees and asylum seekers and place-based interventions.

The aim of the Speak Out sessions was to raise awareness of the social inclusion issues for the following foci: healthy urban development, including young people, supporting carers, people with a disability and older people, and building resilient and inclusive neighbourhoods.



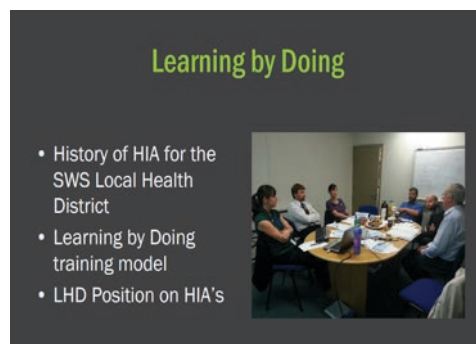
WORKING WITH LOCAL GOVERNMENT TO CREATE HEALTHY LANDSCAPES, LIFESTYLES AND LIVELIHOODS

22nd May 2018, Flat Floor Theatre, UNSW CBD Campus, Sydney

Local government plays a central role in creating our landscapes, lifestyles and livelihoods. Health impact assessment (HIA) is an approach that enables the health sector to contribute to local government activities and planning.

This seminar focused on the use of health impact assessment at the local government level in Québec City, Korea, and in Sydney. Dr Thierno Diablo, a postdoctoral researcher at Université Laval in Quebec City, gave a lecture on the use of health impact assessment at the local government level in Quebec and Switzerland. He was joined by Jinhee Kim, a Scientia PhD Scholar from UNSW, who spoke about the use of HIA in Korea at the municipal level. Maria Beer, Tina Britton and Carolyn Whitten (SWSLHD and Wollondilly Shire Council) also spoke about HIA's use in South Western Sydney.

The seminar was facilitated by A/Prof Ben Harris-Roxas and Prof Evelyne de Leeuw. Twenty-five people attended in person, and a further 30 joined the webcast.



COMMUNITY HEALTH WORKERS: AN ESSENTIAL WORKFORCE FOR THE AUSTRALIAN HEALTH SYSTEM

26th July 2018, Mathews Building, UNSW Sydney

Dr Fiona Doolan-Noble from the University of Otago presented at UNSW on Community Health Workers. This continued from the 'Lay Navigators' seminar with Sydney Local Health District that was held the day before. The seminar included presentations from our Local Health District Partners. It focused on how community health worker roles, such as Aboriginal Health Workers and Cultural Support Workers, can support the provision of health care to the groups who need it most.



Establishing a lay health navigator service on the West Coast to support those living with complex health and social conditions.



Dr Fiona Doolan-Noble
Ms Danielle Dawson



2016-2017

There were:

2,496
phone calls made.

3,035
contacts with other agencies.

3,784
face to face contacts with clients in 2016-17

1,198
clients






Embedding the service



Please visit www.cphce.unsw.edu.au/news-events/events if you are interested to download the presentations of past CPHCE events.

STAFF MEMBERSHIP OF EXTERNAL COMMITTEES

Andrew Knight	■ South Western Sydney Integrated Care Committee ■ Nepean Blue Mountains Primary Health Network board, ■ NPS Medicine Wise board, ■ Australian Commission on Quality and Safety in Healthcare Primary Care Committee, ■ NSW Health Coordinated Care Bilateral Agreement Multidisciplinary Team Care Work Group
Ben Harris-Roxas	■ Member, Editorial Board of Impact Assessment and Project Appraisal ■ Member, Editorial Board of Environmental Impact Assessment Review ■ Member, Global Working Group on Health Impact Assessment, International Union for Health Promotion and Education ■ Member, ACI Primary Health Care Network ■ Member, SESLHD Integrated Care Committee ■ Member, Uniting War Memorial Community and Integrated Care Committee ■ Member, Uniting War Memorial Research Committee ■ Member, Rockdale Child and Family Hub Leadership Group ■ Member, SESLHD Clinical Innovation & Research Translation Directions Committee
Elizabeth Comino	■ Waran Warin Steering Committee
Elizabeth Harris	■ International Union for Health Promotion and Education (IUHPE). Global Working Group on Health Impact Assessment
Evelyne de Leeuw	■ Member, Ingham Institute Scientific Advisory Committee ■ Member, SWSLHD Population Health Division Executive ■ Member, SWSLHD Research and Teaching Committee ■ Editor-in-Chief, Health Promotion International ■ Editor, Palgrave Series in Health Political Science ■ Editor, OUP Encyclopedia of Healthy Cities and Communities ■ Member of the Editorial Board, Global Health Promotion ■ Social Media and Responsive Technologies Committee IUHPE (Chair) ■ Member, Global Scientific Committee IUHPE world conference ■ Member, Peer Review and Assessment Board, O'Brien Institute of Public Health, University of Calgary (Canada)
Gawaine Powell Davies	■ Primary Health Care Research Information Service Strategic Advisory Group ■ Human Research Ethics Committee
Gisselle Gallego	■ Western Sydney Local Health District Research Management Committee Meeting ■ Research & Development subcommittee (ACI Intellectual Disability Health Network) ■ National Disability Services ■ Ethics Committee Family Planning New South Wales

Kaniz Fatema	■ BMC Public Health (Associate Editor)
Julie McDonald	■ Primary Health Partnership Committee ■ SESLHD/CPHCE Research Hub Operations Committee ■ SESLHD Integrated Care Strategy Steering Committee
Sameera Ansari	■ Primary Health Care Special Interest Group Committee
Mark Harris	■ Inner Western Sydney Medicare Local Board ■ Public Health Research and Practice Editorial Board ■ National Diabetes Data Working Group ■ NHMRC Alcohol Guidelines Group ■ NHMRC Prevention and Community Health Committee ■ NHMRC Mental Health and Parenting Working Committee ■ Primary Health Care Research, Evaluation and Development Strategy Advisory Committee ■ RACGP Quality Committee ■ RACGP Red Book Task Force ■ RACGP Smoking Nutrition Alcohol Physical Activity guide working group (Chair)
Michael Tam	■ SWSPHN Mental Health Advisory Committee ■ Mental Health Network Executive Committee of the NSW Agency for Clinical Innovation (ACI) ■ Fairfield Hospital Research and Innovation Committee ■ Fairfield Hospital General Clinical Training Committee ■ Fairfield Hospital Clinical Council ■ RACGP National Research and Evaluation Ethics Committee (NREEC) ■ RACGP Expert Committee - Quality Care (REC-QC)
Siaw-Teng Liaw	■ SWSLHD Research & Teaching Committee ■ SWSLHD-SWSPHN Integrated Health Committee Member ■ SWSLHD Human Research Ethics Committee ■ Fairfield Hospital Clinical Council ■ NSW Acute Care Task Force ■ NPS MedicineInsight, Data Advisory Committee ■ RACGP National research and Evaluation Ethics Committee (Chair) ■ WHO Collaborating Centre for Health (Chair) ■ IMIA Primary Care Informatics WG (Chair)
Freddy Sitas	■ Chair, Efficacy section, Clinical Oncology Society of Australia. Smoking cessation after cancer working Group ■ Assistant Editor, Cancer Epidemiology, Elsevier Press ■ Assistant Editor, International Journal of Epidemiology, Oxford University Press ■ Editor, Infectious Agents and Cancer (Biomed Central) ■ Member, Chronic Care Network, Agency for Clinical Innovation (NSW) ■ Representative, Health Equity Alliance-NSW Council of Social Service (NCOSS)



PARTNERS AND AFFILIATES

We collaborate with many different individuals and organisations. Some of our main partners in 2018 are listed below.

AUSTRALIAN UNIVERSITIES AND RESEARCH INSTITUTES

- Australian National University
- Flinders University
- LaTrobe University
- Macquarie University
- Monash University
- Sax Institute
- The George Institute
- University of Melbourne
- University of Sydney
- University of Technology Sydney
- Western Sydney University

UNSW

- Biomedical Systems Research Laboratory, School of Electrical Engineering and Telecommunications
- Faculty of Law
- Faculty of the Built Environment
- School of Public Health and Community Medicine
- Social Policy Research Centre

- Translation Cancer Research Network
- Ingham Institute for Applied Medical Research

GOVERNMENT HEALTH AGENCIES

- Agency for Clinical Innovation (ACI)
- Australian Government Department of Health
- NSW Bureau for Health Information
- NSW Ministry of Health
- Victorian Department of Health
- VicHealth

HEALTH SERVICES

- South Western Sydney Local Health District
- Sydney Local Health District
- South Eastern Sydney Local Health District
- Tharawal Aboriginal Corporation, NSW
- Uniting War Memorial Hospital, NSW
- Western NSW Local Health District

OTHER GOVERNMENT DEPARTMENTS

- NSW Department of Education and Communities
- NSW Department of Family and Community Services

PRIMARY HEALTH NETWORKS

- Central and Eastern Sydney Primary Health Network
- South Western Sydney Primary Health Network
- Western NSW Primary Health Network

LOCAL GOVERNMENT

- Campbelltown Council
- Canterbury-Bankstown City Council
- City of Sydney
- Fairfield Council
- Liverpool City Council
- Randwick City Council
- Wollondilly Shire Council

HEALTH DEPARTMENTS

- Hospitals Contribution Fund of Australia

NATIONAL

- Australian Council of Social Services
- The Royal Australian College of General Practitioners

NON-GOVERNMENT ORGANISATIONS

- Australian Drug Foundation
- Liverpool Migrant Resource Centre
- Australian Practice Managers' Association
- Chronic Illness Alliance
- NSW Service for the Treatment and Rehabilitation of Torture and Trauma Survivors (STaRTTS)
- Settlement Services International (SSI)
- The Heart Foundation
- NSW Council of Social Service (NCOSS)
- Fairfield Migrant Resource Centre
- GP Synergy

- Liverpool Community Drug Action Team
- Metro Assist
- National Aboriginal Community Controlled Health Organisation
- NPS MedicineWise

OTHER GOVERNMENT AGENCIES

- Legal Aid NSW

INTERNATIONAL

- Institut National de Santé Publique du Québec
- International Union for Health Promotion and Education
- Seoul National University
- The Society of Practitioners of Health Impact Assessment
- Lancaster University
- Maastricht University
- Manchester University
- McGill University
- National Healthcare Group Polyclinics, Singapore
- Tilburg University
- University of Newcastle, UK
- University of Oregon
- University of Surrey
- Washington University in St. Louis
- World Health Organization

LIST OF VISITING ACADEMICS



Prof Fran Baum
Flinders University, Adelaide



Kate Bosanquet
*Mental Health and Addictions
Research Group,
University of York, UK*



Dr Simone Dahrouge
*Department of Family Medicine,
University of Ottawa, Canada*



Dr Thierno Diallo
Université Laval, Canada



Fiona Doolan-Noble
*Department of General Practice & Rural
Health Dunedin School of Medicine,
University of Otago, New Zealand*



Dr Robin Miller
*Health Services Management Centre,
University of Birmingham, UK*



Prof Louise Potvin
*Public Health Research Institute,
Université de Montréal, Canada*



Danielle Dawson
*West Coast District Health Board
Greymouth, New Zealand*



Prof David Osborn
*Psychiatric epidemiology,
University College London, UK*



Karen Walsh
Shelter NSW, Sydney

VISITING RESEARCHER PROFILE

Visiting Academic 2018 - Simone Dahrouge



In March 2018, Dr Simone Dahrouge facilitated two workshops in CPHCE on healthcare access, the role of lay and community health workers in serving people who need health services most.

Dr. Dahrouge is a Scientist at the C.T. Lamont Primary Health Care Research Centre; an Associate Professor in the Department of Family Medicine (University of Ottawa) and Adjunct Scientist with the Institute for Clinical Evaluative Science (ICES).

Her program of research is focused on improving access to primary health care for vulnerable populations through organizational changes. Specifically, Simone is interested in understanding how primary care can be organized to optimize the quality and equity of the care delivered.

Simone recently established the Ottawa Practice Enhancement Network (OPEN); a research initiative focused on quality improvement in primary care practices. She uses a process adapted from Institute for Healthcare Improvement's Collaborative Model for Achieving Breakthrough Improvement to support practices involved in OPEN achieve the performance they seek.

Along with CPHCE, Simone is an international collaborator with the IMPACT research program that worked with Local Innovation Partnerships (LIPs) and used research to co-create models of care that enhance access to primary care for vulnerable populations. This was set in 3 Australian states (New South Wales, South Australia and Victoria) and 3 Canadian provinces (Alberta, Ontario and Québec). Simone was the leader of the Ontario site, while CPHCE led the NSW site.

During her time in Sydney with CPHCE, Simone collaborated with CPHCE IMPACT investigators, presented public seminars on her work with community health workers, and began a dialogue with CPHCE staff about future collaborations.



PUBLICATIONS

PUBLICATION AWARDS

1. de Leeuw EJ, Hoeijmakers M, Peters D. Editors' choice best paper award for the years 2015-2017 "Juggling Multiple Networks in Multiple Streams". 2018.
2. Pearce A, Sharp L, Hanly P, Barchuk A, Bray F, de Camargo Cancela M, et al. Overall Best Health Services and Policy Research Paper - Productivity losses due to premature mortality from cancer in Brazil, Russia, India, China, and South Africa (BRICS): A population-based comparison. *Cancer Epidemiology*. 2018;53:27-34.

PODCASTS/VODCASTS

1. de Leeuw EJ. Age-Friendly Environments (AFEE) [vodcast on the Internet]. Sydney, Australia: 2018. Available from: <https://vimeo.com/256531642>
2. Ingram S, Greer P, Wise M, Coe LJ, Kum-Sing K. International Women's Day 2018 – Push for Progress [podcast on the CHETRE website]. Sydney Australia: CHETRE, University of NSW; 2018. Available from: <https://chetre.org/special-projects/international-womens-day-2018/>

BOOKS/BOOK CHAPTERS/SECTIONS

1. Barton C, Hall S, Abbott P, Tam CWM, Lyons A, Liaw ST. How to ensure your research follows ethical principles. In: Goodyear-Smith F, Mash R, editors. *How to Do Primary Care Research*: CRC Press; 2018
2. de Leeuw EJ, Martin E, Waqanivalu T. Healthy islands. In: Van den Bosch M, Bird W, editors. *Oxford Textbook of Nature and Public Health - The role of nature in improving the health of a population*: Oxford University Press; 2018.
3. de Leeuw EJ, Webster P. The healthy settings approach: healthy cities and environmental health indicators. In: Van den Bosch M, Bird W, editors. *Oxford Textbook of Nature and Public Health - The role of nature in improving the health of a population*: Oxford University Press; 2018.
4. Knight A, Dawda P. Quality improvement research in primary care. In: Goodyear-Smith F, Mash R, editors. *How to do Primary Care Research*. 1: CRC Press; 2018.

5. Vohra S, Orenstein M, Vilianni F, Cave B, Harris-Roxas BF, Silvain F. Environmental assessment and health impact assessment. In: van den Bosch M, Bird W, editors. *Oxford Textbook of Nature and Public Health: The Role of Nature in Improving the Health of a Population*. Oxford: Oxford University Press; 2018. p. 304-11.
6. Willemsen MC. Tobacco Control Policy in the Netherlands: Between Economy, Public Health, and Ideology. In de Leeuw E, Farfard P, editors. *Palgrave Macmillan*; 2018. Complete book.

CONFERENCE PROCEEDINGS/PRESENTATIONS/POSTERS

1. Ansari S, Harris-Roxas B, Woodland L, Corcoran J, Lloyd J, Harris MF. Investigating the Use of Translation Apps and Websites in Health Care Settings: Study Protocol. 2018 Primary Health Care Research Conference. Melbourne, Australia.
2. Barr M, Harris MF, Welberry H, Hall J, Harris-Roxas B, Comino E. GP follow-up within 2 weeks of hospital discharge in a community dwelling population of residents in Central and Eastern Sydney, Australia. North American Primary Care Research Group (NAPCRG). Chicago USA.
3. Barr M, Steel D. Do blended sampling designs provide robust estimates: where is the evidence. ACSPRI Social Science Methodology Conference. Sydney.
4. Barr M, Welberry H, Hall J, Comino E, Harris-Roxas B, Harris MF. General Practitioner follow-up after hospitalisation: access and impact on health services. Primary Health Care Research and Information Service (PHCRIS). Melbourne.
5. de Leeuw E. Healthy Cities, Health Policy, and You (keynote). International Symposium on Healthy City and Jiading Forum for Health, 2018 Building Healthy Cities to Boost Healthy China. Shanghai, China.
6. de Leeuw E, Freestone R, Crimeen A, Reid A. Healthy Airports: Harnessing transformational infrastructure as an engine for health. Urban Transitions 2018: Integrating Urban and Transport Planning, Environment and Health for Healthier Urban Living. Sitges, Spain.
7. de Leeuw E, Simos J, Crimeen A, Freestone R. Healthy Airports. WHO International Healthy Cities Conference. Belfast, Northern Ireland.
8. Fatema K, Ali L. Patterns of electrocardiographic abnormalities and their determinants from a rural Bangladeshi population. 2018 Australian Public Health Conference. Cairns, Australia.
9. Groenewald P, Laubscher R, Sitas F, Pillay Van Wyk V, Msemburi W, Bradshaw D, editors. Tuberculosis remains the leading cause of death attributed to smoking in South Africa: results from the South African death certificate study. 17th World Conference on Tobacco or Health, WCTOH 1/2018 vol 16; 2018; Cape Town.
10. Haigh F, Kim J, Jaques K, Crimeen A, Beer M, Zapart S, et al. Working with councils to promote community health. Australian Public Health Conference 2018.
11. Harris M. Integrated Primary Health Care. Health One Workshop - NSW Health. North Sydney, NSW.
12. Harris M. SNAP (smoking, nutrition, alcohol, physical activity) Guidelines in General Practice. Modifiable Lifestyle Factors in MS - Multiple Sclerosis Research Australia. Sydney, NSW.
13. Harris M, Saito S, Moretti M, Milosevic D, Prince A, Liaw T, et al. IMPACT in SW Sydney: Development and implementation of an innovative pathway for information and referral for patients with type 2 diabetes in general practice. Health Beyond: Research & Innovation Showcase. Sydney, NSW.
14. Harris-Roxas B, Cipants J, Anderson T, Carney G, Stewart G, editors. Evaluating adaptive local partnerships for social and health service integration: developing a program logic for local Health Justice Partnerships in New South Wales, Australia. APIC1 1st Asia Pacific Conference on Integrated Care; 2018/04/02; Brisbane: International Journal of Integrated Care.

15. Hasan I, Jaques K, Harris-Roxas B, Harris M. Can co-located after-hours general practice clinics affect emergency department workloads? [Presentation]. 2018 Primary Health Care Research Conference. Melbourne Australia.
16. Ingram S. Indigenous Peoples' Major Group: SDG 11 – Make cities and human settlements inclusive [Statement]. 2018 United Nations High Level Political Forum on Sustainable Development. New York, USA.
17. Jaques K, Haigh F. Pokies in Fairfield what's public health got to do with it? Australian Public Health Conference 2018. Cairns, Australia.
18. Jaques K, Hasan I, Harris-Roxas B, Harris M. Patient perceptions and experiences of after-hours primary health care in outer Sydney: a mixed methods study. Primary Health Care Research Conference. Melbourne, Australia.
19. Knight A, Kohler F, Chow J, Duggan J, Liaw T, McDonald K, et al. Integrating Health Care (Our Journey Continues). 18th International Conference in Integrated Care. Utrecht, Netherlands.
20. Knight A, Moraes Rocha V, Middleton P. Issues and strategies for Integration between emergency and general practice care (ED2GP Care Integration). Innovations Forum.
21. Knight A, Moraes Rocha V, Middleton P. Issues and Strategies for Care Integration between Emergency and General Practice. 2018 Primary Health Care Research Conference. Melbourne, Australia.
22. Knight A, Tam CWM, Khan A, Rhee J, Price K, McLean K. How we (mis)conceptualise p-values (and what we can do about it). RACGP Annual Conference (GP18). Gold Coast Conference & Exhibition Centre, QLD, Australia.
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THESES

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Article 'Productivity losses due to premature mortality from cancer in Brazil, Russia, India, China, and South Africa (BRICS): A population-based comparison' won the Best Health Services and Policy Research Papers awards from Health Services Research Association





FINANCIAL



CENTRE FOR PRIMARY HEALTH CARE AND EQUITY

Statement of Financial Performance for the Year Ended 31 December 2018

	Notes	2018	2017
		\$000	\$000
Revenue			
Research Revenue	1	\$1,145	\$1,628
Donations & Bequest - Draw downs		232	48
UNSW Contributions		158	233
Faculty Contributions	2	728	752
Other Restricted Revenue	3	2,621	1,704
Commercial Activity - Fees for Service		10	9
Sundry Other Revenue		78	(1)
Total Revenue		\$4,971	\$4,373
Expenses			
Salaries, On costs and other staff costs		\$3,908	\$3,626
Scholarship Stipends		31	31
Contract & Consulting Services		81	69
Consumables		18	24
Travel		94	88
Equipment Non-Capitalised		10	16
Entertainment		2	3
Marketing		12	10
Miscellaneous Expenses		97	76
Total Non-People Costs		345	317
Total Expenses		\$4,253	\$3,943
TOTAL CONTRIBUTION - SURPLUS/(DEFICIT)		\$718	\$430
Depreciation	1		
SURPLUS / (DEFICIT) after Depreciation		717	430
Cashflow Funded Capital Expenditure (CAPEX)		9	

NOTES:

- Revenue in Advance will be noted in Creditors & Other Liabilities

Research Revenue generated (cash basis)		953	1,753
Category 1 Research Revenue therein		419	499
2. UNSW Budget model includes other revenue items			
Teaching Revenue		35	63
Block Grants		950	925
Indirect Cost Recoveries		7	38
3. Other Research Revenue includes internal fund transfers			
4. Restricted Funds - Cash at year end		\$ 2,230	\$ 2,278

Statement of Financial Position As at December 2018

	Notes	2018	2017
		\$000	\$000
UNSW Sydney Internal Cash	6	2,332	2,378
Accounts Receivable	7	224	243
Sundry Assets		0	1
Investments		0	0
Property Plant & Equipment	8	8	0
Creditors and Other Liabilities	1	138	953
NET ASSETS		\$ 2,427	\$ 1,669

NOTES: UNSW has central provisions in respect of payments made to employees and taxation. Such provisions will not be reflected in this Centre's Statement of Financial Position. Cash balance includes the GST centralised daily on Debtor and Creditor balances. Accounts Receivable are gross value - inclusive of applicable GST. Property Plant & Equipment is depreciated over the expected useful life of the asset. UNSW Division of Advancement holds donated funds centrally. Draw down of funds to the Centre is reflected in the Statement of Financial Performance.



| CONTACT US



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Main Campus

Executive Director: Professor Mark Harris

CPHCE, Level 3, AGSM Building,
UNSW SYDNEY NSW 2052

Tel: +61 2 9385 8384 **Fax:** +61 2 9385 8404

Email: m.f.harris@unsw.edu.au

Director: A/Prof Freddy Sitas

CPHCE, Level 3, AGSM Building,
UNSW SYDNEY NSW 2052

Tel: +61 2 9385 8401 **Fax:** +61 2 9385 8404

Email: f.sitas@unsw.edu.au

South Eastern Sydney Research Collaboration Hub (SEaRCH)

Director: Dr Ben Harris-Roxas

CPHCE, Level 3, AGSM Building,
UNSW SYDNEY NSW 2052

Tel: +61 2 9385 1508 **Fax:** +61 2 9385 8404

Email: b.harris-roxas@unsw.edu.au

Email: a.w.knight@unsw.edu.au

Please direct any inquiries regarding the Annual Report to
A/Prof Freddy Sitas at f.sitas@unsw.edu.au.

Further information about the Centre for Primary Health Care and Equity
can be found at www.cphce.unsw.edu.au.

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- i Starfield B: The hidden inequity in health care. Int J Equity Health. 2011, 10: 15-10.1186/1475-9276-10-15.
- ii World Health Organization. Health in All Policies (HiAP) Framework for Country Action, 2014. WHO, Geneva.
- iii Australian Institute of Health and Welfare. Australia's Hospitals 2014-5 at a glance. Health services series no. 70, AIHW, Canberra, July 2016
- iv Harris MF, Harris-Roxas B, Knight AW. Care of patients with chronic disease: achievements in Australia over the past decade. MJA 2018; 2: 55-57.
- v <https://cphce.unsw.edu.au/resources-prevention-research>
- vi CPHCE: 'Making health literacy everyone's business – #CPHCE forum profiles innovation and empowerment in communities'.
Please view the article via this link: bit.ly/2Qv40Hy

Centre for Health Equity Training Research and Evaluation (CHETRE)

Director: Prof Evelyne de Leeuw

Level 3, Ingham Institute,
1 Campbell Street, Liverpool, NSW 2170

Tel: +61 2 8738 9310 **Fax:** +61 2 9602 8052

Email: mary.knopp@sswahs.nsw.gov.au

Health Equity Research and Development Unit (HERDU)

Director: A/Prof Jane Lloyd

SLHD, Level 9 KGV Building, Missenden Road,
Camperdown

Tel: +61 2 9515 9652

Email: j.lloyd@unsw.edu.au

Academic Primary and Integrated Care Unit (APICU)

Acting Director: Dr Andrew Knight

Level 3, Ingham Institute,
1 Campbell Street, Liverpool, NSW 2170

Tel: +61 2 8738 9348

