UTS
UNIVERSITY OF TECHNOLOGY, SYDNEY

Centre for Cardiovascular & Chronic Care

2014

Annual Report

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DIRECTORS MESSAGE 3

HIGHLIGHTS 4

WHO WE ARE AND WHAT WE DO 5

CORE MEMBERS 6

KEY COLLABORATIONS AND PARTNERSHIPS 9

KEY LOCAL COLLABORATIONS 10

RESEARCH PROJECTS 11

Advanced Care Planning in the Emergency Department (ACP-ED) 11

Breast Screen Promotion in Sri Lankan and Indian women in NSW: engaging community, media, research and health 11

Chronic Kidney Disease – Advance Care Planning Program 12

Developing Gender Based Women's Health Initiatives in the Illawarra 12

Doubly disadvantaged: harnessing elements of resilience and establishing information for systems change (ARC LP120200484) 13

Heart Failure Snapshot 13

IDEAL Project 14

Pain Pathway Program 14

Peripheral arterial disease in the 45 and Up Study 15

Strategies to improve heart disease outcomes in Australian women (ARC DP 120101148) 15

WHICH? II Trial 15

PILOT STUDIES 16

Dexamethasone Sleep Quality Study 16

Fan Activity and Breathlessness (FAB) Study 16

Phase II RCT of melatonin for prevention of delirium in inpatients with advanced cancer 16

SYSTEMATIC REVIEWS 17

NEW GRANTS 18

RESEARCH STUDENTS 19

PUBLICATIONS 23

HONORARY APPOINTMENTS AND ASSOCIATE MEMBERS 30

INTERNATIONAL VISITING SCHOLARS AND STUDENTS 32

DIRECTORS MESSAGE

The Centre for Cardiovascular and Chronic Care is part of UTS: Health, at the University of Technology Sydney.

Focusing on chronic conditions, such as heart disease, chronic obstructive pulmonary disease, diabetes, cancer, peripheral artery disease, and arthritis is crucial given that each of these conditions have such a significant impact on the lives of individuals, their families and communities. Living with a chronic illness, commonly requires people to make difficult decisions about treatment options and make lifestyle changes, and as well as engaging in self-management strategies.

At the Centre for Cardiovascular and Chronic Care, we undertake research and health services planning to help individuals and their families cope and adjust to living with a chronic illness. We are a group of interdisciplinary health professionals and researchers, with international and national collaborations, committed to improving health outcomes for people with chronic conditions. We have a clinical research unit based at St Vincent's Hospital in Sydney. The research undertaken by the Centre reflects our committed to developing the interdisciplinary evidence base designed to improve the lives of people living with chronic conditions.

I am honored to have the opportunity to lead this Centre, established by Professor Patricia Davidson and to work with such a talented group of academics and students. Having only taken up the position of Centre Director in July 2014, this Annual Report largely reflects the work of Professor Davidson and the Centre academics. An important focus of our work is research training as well as undertaking investigator driven and strategic research. This is an exciting time for the Centre as it continues to build its reputation as a leading Centre for cardiovascular and chronic care.

Jane L Phillips

Professor Jane Phillips, PhD RN
Director, Centre of Cardiovascular and Chronic Care

HIGHLIGHTS

Productivity & Capacity Building

- 37 published peer reviewed papers
- 6 editorials and 3 book chapters
- $1.4 million in new competitive research grants
- 2 PhD completions
- 4 PhD submissions
- 3 First class honours completions
- 10 international visiting scholars

The team

- 5 full time Academics
- 6 Research Assistants
- 9 Adjunct Professors
- 20 Honorary Associates
- 26 Associate Members

New Director

Jane Phillips PhD RN, Professor Nursing (Palliative Care) was appointed to the Centre in July 2014.

New Research Stream

Health Care Transitions

WHO WE ARE AND WHAT WE DO

The Centre's five academics lead our six streams of strategic focus:

- **Health Care Transitions:** Professor Jane Phillips leads the Care Transitions stream which focuses on building the evidence at the patient, health professional and systems levels to better support people with chronic care needs transitioning into palliative care.
- **Clinical Interventions:** Dr Phillip Newton leads the Clinical Interventions stream. This stream focuses on the design, implementation and management of clinical trials focusing on health services evaluation, symptom management and evaluation of interventions to improve outcomes for individuals with chronic illness.
- **Health Outcomes and Measurement:** Dr Tim Luckett leads the Health Outcomes and Measurement stream. This stream is focused on improving expertise in patient reported outcomes, development and evaluation of complex interventions and health economics. Dr Luckett is also the Program Coordinator for Improving Palliative Care through Clinical Trials (ImPaCCT) (http://www.impacct.med.unsw.edu.au).
- **Population Health:** Dr Sally Inglis leads the Population Health stream which focuses on using large data sets for chronic and complex health services planning and research.
- **Reducing Health and Social Disparities:** Dr Michelle DiGiacomo leads the Reducing Health and Social Disparities stream. She works with a range of populations, including Aboriginal people, older people, and those from culturally and linguistically diverse populations. In particular, this work focuses on understanding issues impacting individuals living with chronic health conditions and intervening to assist and access appropriate care.
- **Translating Research into Practice:** Dr Sally Inglis also leads the Translating Research into Practice program. Dr Inglis completes systematic reviews to develop evidence-based practice strategies and works on strategies to improve health outcomes, including application of telemedicine.

CORE MEMBERS

Jane Phillips, PhD, RN *Centre Director and Professor Nursing (Palliative Care)*

Professor Phillips is the current Director of the Centre for Cardiovascular and Chronic Care. Prior to this appointment, Professor Phillips was the inaugural Professor of Palliative Nursing at the University of Notre Dame, Australia – Sydney and attached to the Cunningham Centre for Palliative Care, based at Sacred Heart Hospice, St Vincent's Hospital, Sydney. Where she co-led the Palliative Care Clinical Trials Unit at Sacred Heart and St Vincent's Sydney, overseeing the implementation of more than a dozen investigator driven palliative care clinical trials across the campus. She is also a Visiting Professor, Sydney University School of Medicine, Sydney.

Professor Phillips's program of research is focused on improving care outcomes for people in the last year of life by strengthening the nexus between research, policy and practice. She is currently undertaking studies to evaluate non-pharmacological interventions to improve breathlessness, delirium, health services research to improve care outcomes for older people with cancer and to improve symptom management for older people in residential aged care and translational research in the areas of pain management and symptom management. She has developed and evaluated nurse coordinated models of palliative care and has extensive experience in cancer and chronic disease nursing, and research.

Patricia Davidson, *Immediate Past Director*

Professor Davidson is the Immediate Past Director of the Centre for Cardiovascular and Chronic Care (2008-2013). Prior to taking up her new appointment as the Dean of the Johns Hopkins School of Nursing in September 2013, she held the Chair of Professor of Cardiovascular Nursing Research at St Vincent's Hospital, Sydney.

Professor Davidson has an established program of research in supporting individuals living with chronic conditions and developing innovative models of transitional care. A primary objective of her work has been to improve the cardiovascular health of underserved populations through development of innovative, acceptable, and sustainable initiatives within Australia and beyond. She is a Fellow of the Australian College of Nursing, Fellow of the American Heart Association, Fellow of the Preventive Cardiovascular Nurses Association and Fellow of the American Academy of Nursing. She is Counsel General of the International Council on Women's Health Issues and actively involved in the international activities of Sigma Theta Tau International.

Since 2003, Professor Davidson has supervised and mentored more than 33 researchers. She continues to play an active role in the Centre where she continues to be a co-investigator on numerous grants and is co-supervising a number of PhD students.

Michelle DiGiacomo, PhD, MHSc(Hons), BA
Senior Research Fellow/Senior Lecturer (Research)

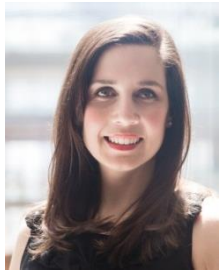
Dr Michelle DiGiacomo leads the Reducing Health and Social Disparities stream in the Centre. Her program of research appreciates the contexts within which individuals, families, and communities negotiate, cope, and adjust to living with chronic conditions. Her work underscores the importance and utility of tailoring health service initiatives to meet the diverse needs and preferences of individuals and groups.

From May - September 2014, Michelle was a visiting scholar at Johns Hopkins University in Baltimore as part the UTS Professional Experience Program. Her extended visit enabled her to participate in seminars and community engagement initiatives, attend lectures, facilitate workshops, and develop and trial relationships with potential collaborators and co-authors. She presented her research, facilitated research skill development in JHU staff and students, provided consultation regarding tobacco control initiatives at the institution level, and met with new and established Faculty members. She completed a Masters of Public Health subject offered by the Bloomberg School of Public Health summer Institute which was delivered in a framework of social justice Based on her ongoing contributions to JHU's School of Nursing, she was appointed Adjunct Faculty.

Sally Inglis, PhD, RN, BN, BHSc(Hons), NFESC, FAHA
Senior Research Fellow

Currently supported by NSW Cardiovascular Research Network Life Sciences Fellowship supported by the Heart Foundation and the NSW Office for Medical Research

Dr Sally Inglis has a keen interest in chronic cardiovascular disease and has undertaken research across a variety of cardiovascular conditions and research methodologies throughout her research career. Her current research program examines the evidence for the use of telemonitoring and structured telephone support to support people with chronic heart failure and the use of technology-based education interventions for people with chronic heart failure as well as the epidemiology, management and outcomes of people with peripheral arterial disease.



Sally's research into the use of telemonitoring and structured telephone support has been incorporated into several national and international heart failure guidelines.

She is currently supported by a prestigious OMR-CVRN Life Sciences Research Fellowship from the Heart Foundation and the NSW Office for Medical Research which is supporting her to continue her program of research to improve outcomes for Australians with chronic cardiovascular disease.

Tim Luckett, PhD, BSc (Hons) *Research Fellow*

Dr Tim Luckett is Program Coordinator for the NSW clinical trials collaborative in palliative care, ImPaCCT (www.impacct.med.unsw.edu.au) and contributes to a range of projects and academic activities aimed at improving person-centred care for people with life-limiting illness. In 2014, these included coordination of the IDEAL Project and cancer pain management program outlined below as well as a phase II trial of melatonin for prevention of delirium and study of impact of corticosteroids on sleep quality in hospital in-patients with advanced cancer. Tim also managed an online survey of current practice regarding advance care planning for people with chronic kidney disease.

Phillip Newton, PhD RN, BN (Hons) *Senior Research Fellow*

Dr Phillip Newton has an established record of cardiovascular research and in particular heart failure research. The main focus of his research is testing different therapeutic approaches for breathlessness management in advanced heart failure. Dr Newton has a strong record of obtaining nationally competitive funding from the NHMRC, ARC and Heart Foundation NSW CVRN and other major funding schemes.

Dr Newton leads a number of cardiovascular clinical studies He currently is a member of the Executive Committee for the Cardiovascular Nursing Council of the Cardiac Society of Australia and New Zealand and the Australasian Cardiovascular Nursing Council. In 2013, Dr Newton was recognised for his outstanding contribution to cardiovascular health by being elected a Fellow of the American Heart Association.

RESEARCH PERSONNEL

Sabine Allida, *Research Assistant*

Priyanka Bhattari, *Research Assistant*

Janet Cook, *Project Manager – IDEAL (Improving Dementia End of Life Care) Project*

Julee McDonagh, *Heart Failure Clinical Trials Nurse*

ADMINISTRATIVE PERSONNEL

Anna Green, *Research Administrative Coordinator & Project Manager*

Nicole Heneka, *Research Administrative Coordinator & Project Manager* (June – December 2014)

KEY COLLABORATIONS AND PARTNERSHIPS

The Centre academics are engaged in a number of local, national and international collaborations and partnerships.

Local

Aboriginal Medical Service Western Sydney (AMSWS)

HammondCare

Improving Palliative Care through Clinical Trials (ImPaCCT)

NSW Cardiovascular Research Network (NSW CVRN)

NSW Ministry of Health

St Vincent's Hospital Sydney

National

Cancer Council Australia

NHMRC Centre for Research Excellence for Peripheral Arterial Disease

Palliative Care Clinical Studies Collaborative (PaCCSC)

International

Johns Hopkins University (USA)

Mahidol University (Thailand)

The International Council of Women's Health Issues (ICOWHI)

The International Network for Doctoral Education in Nursing (INDEN)

University of California, San Francisco (USA)

University of Malaysia

University of Pennsylvania (USA)

University of the Philippines

Key local collaborations

Aboriginal Medical Service Western Sydney (AMSWS)

The Centre continues to work in collaboration with the Aboriginal Medical Service Western Sydney (AMSWS). Members of our team work closely with Aboriginal Health Workers and General Practitioners to develop and implement a range of service initiatives designed to improve access to culturally appropriate care and build Aboriginal health workforce capacity. Such initiatives include a smoking cessation clinic, women's exercise programs, and adult health check screening days in the local Aboriginal community.

St Vincent's Hospital, Sydney

The Centre has a clinical research unit based at St Vincent's Hospital; this allows us to collaboratively engage in teaching and research within the clinical setting.

ImPaCCT (Improving Palliative Care through Clinical Trials)

The Centre is a key member of ImPaCCT thanks to Prof Davidson and now Prof Phillip's involvement as investigators and Dr Luckett's role as ImPaCCT's Program Coordinator. ImPaCCT is a NSW-wide collaborative research group that focuses on palliative care. Funded since 2010 by the Cancer Institute NSW, ImPaCCT aims to build a multi-institutional research agenda with active involvement from consumers and all major disciplines working in palliative care.

ImPaCCT continues to develop its portfolio of studies in health service evaluation, symptom assessment and management and doctor-patient communication. New collaborators to join ImPaCCT in 2014 include palliative care professionals from Western Sydney Local Health District and ACT. Involvement continues from clinical staff from Calvary Health Care Sydney, HammondCare, Hunter New England Local Health Network, South-Eastern Sydney Local Health District and Sacred Heart St Vincent's as well as researchers from the University of New South Wales, University of Sydney and The Ingham Institute.

RESEARCH PROJECTS

Advanced Care Planning in the Emergency Department (ACP-ED)

Prof Patricia Davidson, Dr Terry Flynn, Dr Tim Luckett, A/Prof Meera Agar, Prof David Currow, A/Prof Richard Chye, Prof Peter Macdonald, Dr Phillip Newton, Dr Elisabeth Huynh, Dr Louise Hickman, Prof Louise Ryan, Prof Jane Phillips, Dr Sally Inglis, Dr Marg Fry, Dr Doug Elliott, Prof Christine Duffield, A/Prof Robyn Gallagher & Prof John Daly.

Advance care planning is the process by which patients make decisions that can guide their future health care in the event they become unable to speak for themselves (e.g. following cardiac arrest). Advance care plans, based on the ethical principle of respect for patient autonomy, reflect patients' values and concerns, and require patients to understand their medical condition, and also the benefits and burdens of possible treatments.

Although advance care planning is widely endorsed and uptake is increasing, research suggests that plans are often not implemented and patients receive care that may not have been in accordance with what they would have chosen for themselves. Problems are most pronounced in Australia's Emergency Departments (EDs), where patients with advanced life-limiting illness often receive inappropriate and aggressive life-sustaining treatments and are hospitalised unnecessarily instead of receiving the palliative care and support for self-management they would have preferred.

Funded by the CSIRO, this project investigated the barriers and facilitators to the utilisation of advance care plans in the emergency department and included a systematic review of online advance care directives.

Breast Screen Promotion in Sri Lankan and Indian women in NSW: engaging community, media, research and health (Cancer Institute NSW Evidence to Practice Grant, 2014)

Prof James Macnamara, A/Prof Roger Dunston, Dr Jason Prior, Dr Michelle DiGiacomo, Dr Alison Harrow, A/Prof Devleena Ghosh

Breast and cervical cancers are major causes of mortality in women in India and Sri Lanka. Screening rates for Indian and Sri Lankan women living in Australia are amongst the lowest in the country (Cancer Institute 2014), yet belong to one of the fastest growing population groups in NSW. In addition, in recent years Tamil speaking refugees from Sri Lanka have also increased (19,395 people from Sri Lanka have settled in NSW since 1991), posing a unique situation with both newly arrived Tamil refugees with low English language proficiency and a relatively well established Tamil speaking communities in NSW.

To address this problem, this multidisciplinary project is using a multi-pronged approach involving media, community engagement, community champions, bilingual talks, culturally relevant resources and group bookings. This project also includes strategies to strengthen the cultural competency of breast screening services.

Chronic Kidney Disease – Advance Care Planning Program

A/Prof Josephine Clayton, Prof Carol Pollock, Dr Tim Luckett, Dr Rachael Morton, Prof William Silvester, Dr Karen Detering, Ms Lucy Spencer

This project is funded by Kidney Health Australia to inform future intervention developments in advance care planning for people with chronic kidney disease. Dr Luckett has coordinated an online survey of current practice, which closed after receiving responses from 430 health professionals across Australia.

Results from the survey suggest that advance care planning occurs for only a minority of people with chronic kidney disease and that the quality of advance care planning is often poor. Semi-structured interviews are underway with health professionals in Melbourne to understand their perspectives in more depth. This information will be used to develop materials for conducting advance care planning with people with chronic kidney disease, addressing issues relating to dialysis and worsening cognitive impairment associated with the condition.

Developing Gender Based Women's Health Initiatives in the Illawarra

Prof Patricia Davidson, Dr Michelle DiGiacomo

This project developed a gender based analysis (GBA) exploring the issues and experiences of women living with chronic conditions in the Illawarra and was completed in 2014.

An environmental scan and integrative literature review using the lens of GBA assisted in the identification of research and recommendations for a gendered based approach for women and chronic disease. The contributions of 15 community members and 6 professional stakeholders during a series of focus groups helped to identify barriers and facilitators and describe the socio-cultural considerations to providing a gender based approach for chronic conditions and women's health in the Illawarra. The participants also provided descriptions of women's journeys through the health care system and the interface between primary, secondary and tertiary care.

This research has leveraged important information to inform an evidence-based approach to health care service planning and policy development in the future.

Doubly disadvantaged: harnessing elements of resilience and establishing information for systems change (ARC LP120200484)

Dr Michelle DiGiacomo, Prof Patricia Davidson

Our partnership project with the Aboriginal Medical Service Western Sydney (AMSWS) has continued to explore the experiences, needs, and services available to Aboriginal families who have a young child with a disability. This project is using a community-led approach to engage community members, health and other service providers in Western Sydney to: better understand current availability of Aboriginal early childhood disability services; the family journey to accessing support; acceptability and utility of support services; develop education and resources for parents, children, and support services, and to inform design and delivery of services. We aim to provide practical, tangible and measureable solutions to improve access to care for Aboriginal children and support for families and the community.

In 2014, we interviewed carers of children with a disability and began conducting follow-up interviews. We were also fortunate to begin working with a talented PhD student, Anna Green, deemed by the AMSWS project team to have an excellent academic background and suit of interpersonal skills required to successfully and meaningfully contribute to this project. To complement the carer interviews, Anna will be looking at service providers and organisations external to the Aboriginal Community Controlled Health sector. Exploring the experiences of these providers and organisations will contribute to the larger picture of service provision and help to improve service access. Anna successfully completed her Stage 1 assessment in November and will begin data collection in early 2015. She receives regular ongoing cultural mentorship by our partners at the AMSWS.

Heart Failure Snapshot

Dr Phillip Newton,
Prof Patricia Davidson

The NSW Heart Failure Snapshot was a prospective audit of consecutive patients admitted to 25 participating facilities across New South Wales and the ACT over a one month period with an admission diagnosis of acute decompensated heart failure. The primary aim of the Snapshot was to obtain a representative cross-sectional view of acute heart failure patients and their management across the broad range of acute hospital services in NSW ranging from small rural hospitals to large tertiary referral centres. In total, 811 participants were recruited. Most patients were elderly with a mean age of 77 years with a slight excess of men.
Chronic lung disease, renal disease and diabetes were the most common comorbidities. Intercurrent infection, atrial arrhythmias and problems with diet or fluid management were identified as the most common precipitants.

The NSW heart failure snapshot has highlighted the advanced age, multiple co-morbidities and high prevalence of frailty among patients admitted to NSW hospitals with acute decompensated heart failure. Use of evidence-based therapies particularly ACE inhibitors and beta blockers was surprisingly low with little evidence of any attempt to introduce these therapies during hospitalisation.

The extent to which co-morbidities and frailty contribute to the low utilisation of evidenced-based therapies is being explored in ongoing analyses. We anticipate that the results of the Heart Failure Snapshot will inform the development of strategies to improve access of heart failure patients to multi-disciplinary care programs and increased uptake of evidence-based therapies for CHF.

IDEAL Project

A/Prof Meera Agar, Prof Lynn Chenoweth, Prof Geoff Mitchell, Prof Elizabeth Beattie, Dr Georgina Luscombe, A/Prof Stephen Goodall, Prof Dimity Pond, Prof Jane Phillips, Dr Tim Luckett, Prof Patricia Davidson, Dr Aileen Collier, Ms Angela Raguz, Dr Meredith Gresham
Project team includes Janet Cook, Huali Cao, Priyanka Bhattarai, Seong Cheah

The IDEAL Project was a cluster RCT aimed at evaluating the cost-effectiveness of case conferencing in improving the quality of end of life care for aged care residents with advanced dementia. The trial closed at the end of 2014, and analysis of results is now underway.

Funded by the Department of Health, the IDEAL Project took place at 20 aged care facilities in Sydney and Brisbane from early 2013. Nurses from each of 10 facilities randomised to the intervention arm were trained to be Palliative Care Planning Coordinators (PCPCs) who coordinated case conferences with family and general practitioner involvement, and documented and monitored resulting palliative care plans. The Sydney project team was based with the Centre while the Brisbane team were based at Queensland University of Technology. The primary outcome is satisfaction with end of life care as perceived by a family member of each resident.

Pain Pathway Program

Dr Melanie Lovell, Dr Tim Luckett, Prof Patricia Davidson, Prof Jane Phillips, A/Prof Meera Agar, Prof Fran Boyle, Mr John Stubbs, Anna Green, Prof Tim Shaw, Prof David Currow, Prof Louise Ryan, Dr Nikki McCaffrey

This program began in 2010 and is aimed at developing, piloting and evaluating a clinical pathway for screening, assessment and management of cancer pain.

In 2014, a pilot was carried out of guidelines developed by the team and launched in late 2013, as well as a screening system for pain, audit and feedback system to inform quality improvement, and patient-held resources aimed at improving self-management, doctor-patient communication and coordination between service providers.

These resources, along with a QStream online education module for health professionals will be evaluated by means of a stepped wedge cluster RCT that in 2014 received competitive grant funding from the National Breast Cancer Foundation. The trial will be managed by a team based within the Centre and will run from 2015 until 2018

Peripheral arterial disease in the 45 and Up Study

Dr Sally Inglis

Led by Dr Inglis and supported by the NSW Cardiovascular Research Network (NSW CVRN), this study will examine the epidemiology, predictors of health outcomes and healthcare utilisation of participants of the 45 and Up Study with peripheral arterial disease. Currently, little is known of the epidemiology and healthcare and economic burden of peripheral arterial disease in Australia. In the absence of large-scale epidemiological studies in peripheral arterial disease in the general population, best-available evidence on the epidemiology of peripheral arterial disease is non-specific episodic hospitalisation data and small-scale cohort studies in geographic areas that have undertaken screening to confirm and identify cases. This study is significant as it will be the only community-based cohort study of peripheral arterial disease in Australia which includes both men and women.

Strategies to improve heart disease outcomes in Australian women (ARC DP 120101148)

Dr Phillip Newton, Dr Michelle DiGiacomo, Prof Patricia Davidson

Heart disease is the major killer of Australian women, yet many women remain unaware and underestimate their risk. Heart disease occurs more commonly in older women who face numerous other health and social life changes. Building on work the Centre has undertaken previously, in this project, we are testing a novel cardiac rehabilitation program designed specifically for women. We will be investigating the use of a gendered approach to healthcare through developing strategies to improve women's heart health in Australia, including evaluating, in a randomised controlled trial (RCT), the benefit of a group-based tailored program.

A literature review documenting elements of cardiac rehabilitation programs for women was completed in 2014. We have undertaken consultation with Blacktown and Mt Druitt hospitals who will be implementing the RCT in the coming months. Cardiac rehabilitation staff are excited to be involved in trialling this program which previously received high praise from participants and staff alike.

WHICH? II Trial

Dr Phillip Newton, Prof Patricia Davidson

The WHICH? II Trial, is a pragmatic, multicentre, randomized head-to-head trial of a standard, post-discharge chronic heart failure management incorporating a combination of at least one home visit and hospital outpatient for metropolitan-dwelling patients and structured telephone support for patients living more remotely versus a more intensive program of management targeting those most at risk of recurrent and costly hospital stay through the application of standard care plus additional support with structured telephone support for high risk metropolitan-dwelling patients and at least one home visit for those patients usually reliant on remote management.

This NHMRC funded study will recruit 800 patients from four tertiary hospitals (in NSW, SA and VIC). The WHICH? II study will determine if a more intensive, targeted management approach (combining the evidence to date around CHF management programs) will result in more cost-effective health care in typically older and fragile patients with significant comorbidity. The WHICH? II study is led by Professor Simon Stewart from the Australian Catholic University.

PILOT STUDIES

Dexamethasone Sleep Quality Study

Dr Janet Hardy, Dr Tim Luckett

In his role as Program Coordinator for ImPaCCT, Dr Luckett coordinated involvement of three NSW sites in a Brisbane-led study of the effects of corticosteroids on sleep quality in hospital in-patients with advanced cancer.

Fan Activity and Breathlessness (FAB) Study

Dr Miriam Johnson, Prof Jane Phillips, Prof David Currow, Dr Sara Booth, Prof Lawrence Lam

This phase II study aims to test the feasibility of conducting an adequately powered large, multi-centre, multi-national randomised controlled clinical trial comparing the efficacy of a hand held fan and exercise advice with exercise alone in increasing activity levels in people with optimally treated breathlessness from any cause. The team has been recruiting people with optimally treated breathlessness from any cause with a MRC score ≥ 3 attending cardio-respiratory, oncology and palliative care outpatient clinics and day hospices at three UK sites and 2 Australian sites.
The patients randomised to the intervention group are receiving a hand held battery operated fan ('fan') plus exercise advice, while the participants in the comparator group receive exercise advice only. The primary outcome measure is an i) Increase in average number of steps per day, as measured by an ActivPAL Monitor; and the secondary outcome measures are: ii) to assess the usefulness/tolerability of proposed phase III outcome measures.

Trial Registration: Australian and New Zealand Clinical Trials Registry (ACTRN12614000525684).

Phase II RCT of melatonin for prevention of delirium in inpatients with advanced cancer

A/Prof Meera Agar, Prof Katherine Clark, A/Prof Richard Chye, Dr Brian Le, Dr Peter Eastman, Dr Tim Luckett

In his role as Program Coordinator for ImPaCCT, Dr Luckett coordinated a phase II RCT of melatonin for prevention of delirium in hospital in-patients with advanced cancer, which is due to complete in mid-2015. A collaboration with the national Palliative Care Clinical Studies Collaborative (PaCCSC), this study will progress to Phase III if funded by the NHMRC. Prevention of delirium has potential to impact mortality and morbidity as well as be substantially cost saving.

SYSTEMATIC REVIEWS

Cochrane Collaboration Reviews

Dr Sally Inglis

Cochrane Reviews are recognised internationally as the highest standard in evidence-based healthcare. Cochrane Reviews systematically synthesis the primary research evidence on interventions, providing clinicians, consumers and policy-makers to make informed decisions regarding interventions for a variety of health states and disease.

Dr Inglis is a member of the Editorial Board of the Cochrane Collaboration Heart Review Group. During 2014 Dr Inglis led three large Cochrane Reviews of interventions to support people with chronic cardiovascular disease, including updating the telemonitoring and structured telephone support for people with chronic heart failure Cochrane Review, that she lead in 2010, in partnership with an international team,

Dr Inglis is also leading a team that has been undertaking (comprised mainly of CCCC members) a review of self-management interventions to support people with peripheral arterial disease which is the first review of this topic based on the current literature. This research was presented at the World Congress of Cardiology in Melbourne in May 2014.

In partnership with Professor Patricia Davidson and Associate Professor Cheryl Dennison-Himmelfarb from Johns Hopkins University, Dr Inglis is also leading an international team of researchers to complete a Cochrane Review examining technology-based health education for people with chronic heart failure.

Dr Inglis is also an author on a Cochrane Overview of non-pharmacological management interventions for COPD which is led by one of her PhD student's Ms Rebecca Disler.

Other Systematic Reviews

Non-Cochrane systematic reviews carried out by Centre staff in 2014 included a review of:

- online advance care directives (*Dr Tim Luckett, Ms Priyanka Bhattarai, Prof Phillips),*
- advance care planning for people with dementia *(Dr Tim Luckett)*
- the elements of hospital end-of-life care that patients and their families rank as being most important *(Ms Claudia Virdun, Dr Tim Luckett and Prof Jane Phillips)*
- opiate errors in cancer and palliative care *(Ms Nicole Heneka and Prof Jane Phillips)*
- services for Aboriginal and Torres Strait Islander children with a disability and their families *(Ms Anna Green)*

NEW GRANTS

Clayton J, Pollock C, **Luckett T**, Morton R, Silvester W, Detering K, Spencer L. Investigating barriers and facilitators to advance care planning for dialysis and pre-dialysis patients. Kidney Health Australia. $43,000 (2014.)

Ingham J, Boss H, Lock A, Milliken S, Tassie B, Harvey G, Shaw T, **Phillips JL**. Establishing goals in serious illness. Curran Foundation. $98,806 (2015)

Inglis SC. NHS National Institutes for Health Research Cochrane Review Incentive Scheme. £5,000 (2014)

Lovell M, **Phillips J**, Agar M, Boyle F, **Davidson P**, **Luckett T,** Currow D, Ryan L, MacCaffrey, Shaw T. Implementing a national clinical pathway for pain to ensure equitable, cost-effective, evidence-based, person-centred care for people with advanced breast and other cancers. National Breast Cancer Foundation. $939,139 (2015-2018)

Macnamara J, Dunston R, Prior J, **DiGiacomo M**, Harrow A, Ghosh D. Breast Screen Promotion in Sri Lankan and Indian women in NSW: engaging community, media, research and health. Cancer Institute NSW Evidence to Practice Grant. $100,000 (2014-2015)

Maiorana A, Redfern J, Moyez Jiwa M, **Davidson P,** James Boyd, Garton-Smith J, Smith J, Hendrie D, Sharon Chih. A randomised controlled trial of nurse-supported telehealth for chronic heart failure (CHF) management in primary care. WA Health, Targeted Research Fund, $350,000 over 2 years. (2014 - 2015)

Phillips, J.L., Shaw, T. Christie, L., Stone, E., White, K., Rankin, N. Interventions to promote timely referral to palliative care services. Sydney Catalyst Pilot and Seed Funding 2014 $50,000 (2015)

Whitfield C, Bardsley K, Hannu M, **Newton PJ**, Armstrong J, Jha S, Lambroglou A, Loukaitis H, Patterson H, Macdonald P. Frailty-HF. St Vincent's Clinic Multidisciplinary Patient Focused Grants, $25,000 (2014)

RESEARCH STUDENTS

PhD Completions (2014)

Evan Alexandrou (Curtin University)
Risk assessment in the insertion of central venous catheters
Supervisor: Patricia Davidson

Vasiliki Betihavas (Curtin University)
Development of a nomogram to predict risk of hospitalisation in heart failure
Supervisors: Patricia Davidson, Phillip Newton

PhD Submissions (2014)

Rebecca Disler
Optimising the management and care delivery in people living with chronic obstructive pulmonary disease
Supervisors: Patricia Davidson, Sally Inglis, David Currow

Caleb Ferguson
Atrial fibrillation and stroke prophylaxis in chronic heart failure: barriers and enablers to treatment
Supervisors: Patricia Davidson, Phillip Newton, Sally Inglis

Harsha Perera (FASS, UTS)
The role of trait emotional intelligence in adaptation and achievement during the transition to university.
Supervisors: Jim Athenasou, Michelle DiGiacomo

Noella Sheerin
Renal function in chronic heart failure: A cohort study
Supervisors: Patricia Davidson, Phillip Newton

Current PhD students

Commenced 2014

Philippa Cahill (UNDA)
Family meetings in palliative care
Supervisors: Jane Phillips, Liz Lobb, Chris Anderson

Domenica DiSalvo
Improving the safety and quality of prescribing for aged care residents with advanced dementia
Supervisors: Patricia Davidson, Tim Luckett, Meer Agar, Sasha Bennett

Anna Green
Promoting workforce capacity in managing Aboriginal and Torres Strait Islander childhood disability
Supervisors: Michelle DiGiacomo, Tim Luckett, Penelope Abbott, Patricia Davidson
Cultural mentors: Pat Delaney, John Delaney

Nicole Heneka (UNDA)
Knowledge translation intervention to reduce opioid medication errors in adult oncology and palliative care
Supervisors Jane Phillips, Tim Shaw, Debra Rowlett

Serra Ivynian
Symptom appraisal and care-seeking behaviour in heart failure
Supervisors: Phillip Newton, Michelle DiGiacomo

Sunita Jha
Frailty in patients with chronic heart failure
Supervisors: Phillip Newton, Louise Hickman, Peter Macdonald

Glenn Paull
Care resynchronisation: A nursing delivery platform for coordinated cost efficient inpatient management of chronic heart failure in Australia
Supervisors: Patricia Davidson, Phillip Newton

Olutoyin Sowole
West African migrant women in Australia: Stories of resilience and strength
Supervisors: Michelle DiGiacomo, Tamara Power, Debra Jackson, Patricia Davidson

Claudia Virdun
Dying in the acute care setting: Developing a model of care to enable best evidence based end-of-life care for all patients and families
Supervisors: Jane Phillips, Tim Luckett, Patricia Davidson

Continuing

Naser Al Abed
Health Care Needs and Quality of Life of Older Arab Australians
Supervisors: Patricia Davidson, Louise Hickman, Michelle DiGiacomo, Debra Jackson

Humood Albughami
Interventions to promote positive health behavior's in Saudi boy's schools aged 9-15 in Jeddah city
Supervisors: David Sibritt, Patricia Davidson, Phillip Newton

Sabine Allida
Chewing gum: A potential therapeutic strategy to relieve thirst in cardiac heart failure
Supervisors: Phillip Newton, Sally Inglis, Patricia Davidson, Christopher Hayward

Sankuntala Anuruang
Development, validation and evaluation of the Thai-empowerment program for elderly Thai individuals with hypertension
Supervisors: Patricia Davidson, Louise Hickman, Debra Jackson

Fakhri Athari
Contemporary Issues in peripheral arterial disease in Australian women
Supervisors: Sally Inglis, Patricia Davidson, Michelle DiGiacomo, Phillip Newton, Jonathan Gollege

Nicola Brown
Family based interventions for a smoke free home: A mixed methods approach to intervention development & pilot implementation
Supervisors: Michelle DiGiacomo, Tim Luckett, Patricia Davidson

Taryn Chalmers (Science, UTS)
Professional drivers: Assessing cardiovascular associations to affective states
Supervisors: Sara Lal, Tim Luckett

Cleo Crossley
Oxygen to relieve breathlessness in people with chronic heart failure
Supervisors: Phillip Newton, Patricia Davidson, Sally Inglis, Tim Luckett

Hiba Deek
Family based self-care in heart failure patients
Supervisors: Patricia Davidson, Sally Inglis, Phillip Newton, Peter Macdonald, Samar Noureddine

Jaymen Elliot (Science, UTS)
Fatigue, stress and blood pressure associations with shift work of varying lengths in the Australian police force
Supervisors: Sara Lal, Phillip Newton, Patricia Davidson

Janet Forber
Undergraduate nurse clinical education: An appreciative dialogue to explore innovative approaches
Supervisors: Michelle DiGiacomo, Debra Jackson, Bernie Carter, Patricia Davidson

Annmarie Hosie (UNDA)
Strategies to minimize the impact of delirium on patients and their families, health professionals and the health system
Supervisors Jane Phillips, Patricia Davidson, Liz Lobb, Meera Agar

Leanne Hunt
The nurses' role in intra-abdominal pressure monitoring in the critical care setting
Supervisors: Patricia Davidson, Phillip Newton, Ken Hillman

Christine Hwang
Improving heart health of Australian women
Supervisors: Phillip Newton, Michelle DiGiacomo, Patricia Davidson

Kyoungrim Kang
Quality of life in patients with myocardial infarction: trends and predictors.
Supervisors Leila Gholizadeh, Sally Inglis, Hae Ra Han

Ty Lees (Science, UTS)
Occupational Stress and cognitive performance in health professionals: A comparative psychometric and psychological study
Supervisors: Sara Lal, Phillip Newton, Patricia Davidson

Della Maneze
Health and acculturation in Filipino migrants
Supervisors: Patricia Davidson, Yenna Salamonson, Michelle DiGiacomo

Pauline Murray-Pahari
Preparing nurses for roles in primary health care
Supervisors: Patricia Davidson, Debra Jackson, Michelle DiGiacomo,

Roslyn Prichard
Treating advanced heart failure mechanically: Implications for the 'cost of care' from implant to transplant or palliation
Supervisors: Patricia Davidson, Christopher Hayward, Phillip Newton, Stephen Goodall

John Rihari-Thomas
Risk management of the deteriorating patient in the acute care setting
Supervisors: Patricia Davidson, Phillip Newton, David Sibbritt

Sajad Sheehab
The use of biventricular assist devices in end stage chronic heart failure
Supervisors: Phillip Newton, Patricia Davidson, Sally Inglis, Christopher Hayward

Sara Shishegar
Acculturation in Iranian immigrants to Australia: implications for health service delivery
Supervisors: Leila Gholizadeh, Michelle DiGiacomo, Patricia Davidson

Emily Stone (USYD)
Multi-disciplinary care planning for people newly diagnosed with lung cancer
Supervisors: Tim Shaw, Jane Phillips

Paul Warner
Community based screening program: Impact on healthy utilisation and cardiovascular risk perception
Supervisors: Patricia Davidson, Phillip Newton

Aileen Wyllie
An e-portfolio as a tool to promote critical reflection in clinical practice
Supervisors: Michelle DiGiacomo, Patricia Davidson, Debra Jackson

Honours Completions: First Class (2014)

Priyanka Bhattarai
Pain in older chronic heart failure patients: PAIN Study
Supervisors: Jane Phillips, Louise Hickman

Angela Rao
Prayer or spiritual healing as adjuncts to conventional care: An assessment of prevalence, characteristics and use in community settings
Supervisors: Louise Hickman; David Sibbritt; Jane Phillips

Jeffrey Vongmany
Exploration of depression and anxiety in chronic heart failure
Supervisors: Joanne Lewis, Louise Hickman, Jane Phillips, Sara Lal

PUBLICATIONS

Journal articles

Allida S, **Inglis SC, Davidson PM**, Lal S, Hayward CS, **Newton PJ**. (2014) Measurement of thirst in heart failure – a review. *Contemporary Nurse,* 48(1):2-9.

Allida S, **Inglis SC, Davidson PM**, Lal S, Hayward CS, **Newton PJ**. (2014). Thirst in heart failure – a review. *Journal of Clinical Nurse,* [Epub] doi: 10.1111/jocn.12732.

Chang S, **Newton PJ**, **Inglis SC**, **Luckett T**, Krum H, Macdonald PS, **Davidson PM** (2014) Are all outcomes in chronic heart failure rated equally? An argument for a patient-centred approach to outcome assessment. *Heart Failure Reviews*, 19:153-162.

Clark, K., Byfieldt, N., Green, M., Saul, P., Lack, J. & **Phillips, J.L**., Dying in two acute hospitals: Would usual care meet Australian national clinical standards? *Australian Health Review* 2014;38(2):223-229.

Close G, **Newton PJ**, Fung S, Denniss A, Halcomb E, Kovoor P, Stewart S, **Davidson PM** (2014). Socioeconomic status and heart failure in Sydney. *Heart, Lung and Circulation* 23(4), 320-324.

Conway A, **Inglis SC**, Clark RA (2014). Effective Technologies for Noninvasive Remote Monitoring in Heart Failure. *Telemedicine and e-Health*, 20(6), 531-538.

Davidson PM, Newton PJ, Ferguson C, Daly J, Elliott D, Homer C, Duffield C, Jackson D. (2014). Rating and ranking the role of bibliometrics and webometrics in nursing and midwifery. *The Scientific World Journal*, 2014. [Epub] http://dx.doi.org/10.1155/2014/135812

Deek H, Abbott P, Moore L, Davison J, Cameron S, **DiGiacomo M**, McGrath S, Dharmendra T, **Davidson PM**. (2014). Pneumococcus in Aboriginal and Torres Strait Islanders: the role of Aboriginal Health Workers and implications for nursing practice. *Contemporary Nurse*, 46(1):54-58.

Deek H, **Newton PJ**, **Inglis SC**, Kabbani S, Noureddine S, Macdonald P, **Davidson PM**. Heart health in Lebanon and considerations for addressing the burden of cardiovascular disease. (2014). *Collegian.* [Epub] doi.org/10.1016/j.colegn.2014.04.004

Deek H, **Newton PJ**, Sheerin N, Noureddine S, **Davidson PM**. (2014). Contrast media induced nephropathy: a literature review of the available evidence and recommendations for practice. *Australian Critical Care,* 27(4), 166-171.

Disler RT, **Green A, Luckett T, Newton PJ, Inglis SC**, Currow DC, **Davidson PM**. (2014). Experience of advanced chronic obstructive pulmonary disease: Metasynthesis of qualitative research. *Journal of Pain and Symptom Management,* 48(6), 1182-1199

Ferguson C, **Inglis SC**, **Newton PJ**, Cripps PJ, Macdonald PS, **Davidson PM**. (2014). Social media: a tool to spread information: A case study analysis of Twitter conversation at the Cardiac Society of Australia & New Zealand 61st Annual Scientific Meeting 2013. *Collegian*, 21(2), 89-93

Ferguson C, **Inglis SC**, **Newton PJ**, Middleton S, Macdonald P & **Davidson PM**. (2014). Atrial fibrillation: Stroke prevention in focus. *Australian Critical Care*, *27*(2), 92-98

Ferguson C, **Inglis SC, Newton PJ**, Middleton S, Macdonald P & Davidson PM. (2014). The caregiver role in thromboprophylaxis management in atrial fibrillation: A literature review. *European Journal of Cardiovascular Nursing*, [Epub] doi:10/11.77/1474515114547647.

Green A, DiGiacomo M, **Luckett T,** Abbott P, **Davidson PM**, Delaney J, & Delaney P. Cross-sector collaborations in Aboriginal and Torres Strait Islander childhood disability: a systematic integrative review and theory-based synthesis. *International Journal for Equity in Health*. *13*(1), 126

Hickman, L., Kelly, H. & **Phillips, J.L**. (2014). EVITECH: A study exploring ways to optimise the uptake of evidence-based practice to undergraduate nurses. *Nurse Education in Practice*. 14(6), 598-604.

Hosie, A.M., Agar, M., Lobb, E. & **Davidson, P.M., Phillips, J.L**., 2014. Identifying the barriers and enablers to palliative care nurses' recognition and assessment of delirium symptoms: a qualitative study. *Journal of Pain and Symptom Management*, 48(5):815-30.

Hosie, AM., **Phillips, J.L**., Agar, M., Lobb, E. & **Davidson, P**. 2014. Palliative care nurses' recognition and assessment of delirium symptoms: a qualitative study using Critical Incident Technique. *International Journal of Nursing Studies,* 51 (10), 1353-1365.

Inglis SC, Conway A, Cleland JGF, & Clark RA (2014). Is age a factor in the success or failure of remote monitoring in heart failure? Telemonitoring and structured telephone support in elderly heart failure patients. *European Journal of Cardiovascular Nursing.* [Epub] doi: 10.1177/1474515114530611

Johnson M, Bland J, **Davidson PM, Newton PJ**, Oxberry S, Abernethy, A & Currow, DC. (2014). The relationship between two performance scales: New York Heart Association classification and Karnofsky performance status scale. *Journal of Pain and Symptom Management*, *47*(3), 652-658.

Koch J, Everret B., **Phillips JL, & Davidson PM.** (2014). Is there a relationship between the diversity characteristics of nursing students and their clinical placement experiences? A literature review. *Collegian: The Australian Journal of Nursing Practice, Scholarship and Research*. [Epub] doi:10.1016/j.colegn.2014.03.007

Koch J, Everett B, **Phillips J**, **Davidson, PM**. (2014). Diversity characteristics and the experiences of nursing students' during clinical placements: A qualitative study of students and supervisors views. *Contemporary Nurse*. [Epub] doi: 10.5172/conu.2014.4839

Hunt L, Frost SA, Alexandrou E, Hillman K, **Newton PJ**, & **Davidson PM**. (2014). Reliability of intra abdominal pressure measurements using the modified Kron technique. *Acta Clinica Belgica.* [Epub] doi: 10.1179/2295333714Y.0000000083.

Hunt L, Frost S, Hillman K, **Newton PJ, & Davidson PM** (2014). Management of intra-abdominal hypertension and abdominal compartment syndrome: a review. *Journal of Trauma Management & Outcomes* 2014, 8:2.

Lewis J, **DiGiacomo M**, Currow D, & **Davidson PM** (2014). Social capital in a lower socioeconomic palliative care population: a qualitative investigation of individual, community and civic networks and relations. *BMC Palliative Care*, *13*(1), 30.

Lovell M, **Luckett T**, Boyle F, **Phillips JL**, Agar M, & **Davidson PM**. (2014) Patient education, coaching and self-management for cancer pain. *Journal of Clinical Oncology*, 32(16): 1712-1720.

Luckett T, **Phillips JL**, Virdun C, Agar M, **Green A**, **Davidson PM** (2014) Elements of effective palliative care models: a rapid review. *BMC Health Services Research 14*(1), 136.

Luckett T, Sellars M, Tieman J, Pollock CA, Silvester W, Butow P, Detering K, Brennan F, Clayton J. (2014) Advance care planning for adults with chronic kidney disease: A systematic integrative review. *American Journal of Kidney Diseases*, 63(5): 761-770.

Ni P, Wang Z, Nie R, **Phillips JL,** Mao J. (2014) Advance Directive and End of Life Care Preferences among Nursing Home Residents in Wuhan, China. *American Medical Directors Association* 15(10): 751-756

Phillips JL, Del Grande E, Ritchie C, Abernethy A & Currow D (2014). A population-based, cross-sectional study that defined normative population data for the Life-Space Mobility Assessment-Composite (LSMA-C) Score*. Journal of Pain and Symptom Management.* [Epub] doi:10.1016/j.jpainsymman.2014.09.010

Phillips J, Lovell M, **Luckett T**, Agar M, **Green A, Davidson P** (2014). Australian survey of current practice and guideline use in adult cancer pain assessment and management: The community nurse perspective. *Collegian*, [Epub] doi http://dx.doi.org/10.1016/j.colegn.2013.11.002

Phillips JL. Shaw T, **Heneka N,** Hickman L & Lam L (2014). Impact of a novel online learning module on specialist palliative care nurses' pain assessment competencies and patients' reports of pain: Results from a quasi-experimental pilot study. *Palliative Medicine.* [Epub] 0269216314527780.

Sheerin NS, **Newton PJ**, Macdonald PS, Leung DY, Sibbritt D, Spicer T, Johnson K, Krum H, **Davidson PM**. (2014). Worsening renal function in heart failure: the need for a consensus definition. *International Journal of Cardiology*, 2014; 174:484-491.

Stewart S, Carrington M, Horowitz JD, Marwick T, **Newton PJ**, **Davidson PM**, Macdonald P, Thompson DR, Chan YK, Schuffham PA (2014) Prolonged impact of home versus clinic-based management of heart failure on all-cause hospitalization and mortality: results from a pragmatic, multicentre randomized trial. *International Journal of Cardiology*, 174:600-610.

Thompson S, Shahid S, **DiGiacomo M**, Pilkington L, **Davidson PM**. (2014) Making progress: the role of Cancer Councils in Australia in Indigenous cancer control. *BMC Public Health*, 14(1), 347.

Virdun C, **Luckett T**, Agar M, **Phillips JL**, **Davidson PM** (2014). Elements of optimal paediatric palliative care for children and young people: an integrative review using a systematic approach. *Collegian*. [Epub] doi:10.1016/j.colegn.2014.07.001

Yee, J., Davis, G.M., Beith, J.M., Wilcken, N., Currow, D., Emery, J., **Phillips, J.L**., Martin, A., Hui, R., Harrison, M., Segelov, E., Killbreath, S. (2014) Physical activity and fitness in women with metastatic breast cancer. *Journal of Cancer Survivorship.* 8(4), 647-656

Journal articles in press

Disler R, **Inglis SC**, **Newton PJ**, Currow D, Macdonald P, Glanville A, Donesky D, Carrieri-Kohlman V, Davidson PM. Patterns of technology use in patients attending a cardiopulmonary outpatient clinic: a self-report survey. *Interactive Journal of Medical Research.* (accepted 21 December 2014)

Inglis SC. Telemonitoring in heart failure: fact, fiction and controversy. *Smart Homecare Technology*. (accepted August 2014)

Phillips, J.L., Grande, E., Ritchie, C., Abernethy, A., and Currow, D. 2014. A population-based, cross-sectional study that defined normative population data for the Life-Space Mobility Assessment-Composite (LSMA-C) Score. *Journal of Pain and Symptom Management.* (accepted 23 September 2014).

Editorials – Invited

Al Abed N, **Davidson PM**, Hickman L, **DiGiacomo** M, Jackson D. (2014) Elderly Arab migrants: between the hammer of prejudice and the anvil of social isolation. *Contemporary Nurse* 46(2): 147-150.

Chan RJ, Webster J, **Phillips JL**, Currow DC. (2014) The once-and-for-all withdrawal of the Liverpool Care Pathway in the UK: What are the implications for Australia? *Medical Journal of Australia.* 200 (10), 572-73.

Chan RJ, **Phillips JL**, Currow DC. (2014) Do palliative care health professionals settle for low level evidence? *Palliative Medicine, 28*(1): 8-9

Hosie AM, **Phillips JL**. (2014) Nurses' role in improving interdisciplinary delirium care in inpatient settings: steps for action." *Journal of Clinical Nursing*; 23: 2995-7.

Phillips JL. (2014) A service versus an approach: the importance of building primary palliative care. *International Journal of Palliative Nursing*, 20 (10), 471.

Virdun C, **Phillips JL**. (2014) Commentary on Jack B, Baldry C, Groves K, Whelan A, Sephton J and Gaunt K (2013) Supporting home care for the dying: an evaluation of healthcare professionals' perspectives of an individually tailored hospice at home service. *Journal of Clinical Nursing*, 22, 2778–2786.

Book Chapters

Currow, D.C & **Phillips, J.L**. (2014) Models of care in palliative medicine. In Wichmann, M. & Maddern, G. Palliative Surgery Springer-Verlag: Berlin Heidelberg.

LeBlanc TW., Currow DC, **Phillips JL,** Abernethy AP. (2014) Management of dyspnea In: Quill, T.E., & Miller, F.G. (Eds) Palliative Care and Ethics: Common Ground and Cutting Edges. Oxford: Oxford University Press

Phillips JL, Ingham J, McLeod R. (2014) The development of palliative medicine in Australia and New Zealand. In Bruera, E., Higginson, I. (Eds) Palliative Medicine 2nd ed., Hodder Arnold; UK

Reports

DiGiacomo M. (2014) Making the most of your research sabbatical: opportunities for productivity and serendipity, *Advances in Nursing Doctoral Education and Research (ANDER)*, November, 2:3:20-24.

Davidson PM, DiGiacomo M, Green A. (2014) Gendered approach to chronic conditions in Illawarra. Final Report submitted to Illawarra Shoalhaven Local Health District (ISLHD).

Abstracts presented

Disalvo D, **Luckett T, Davidson P**, Lal S, Bennett A, Agar M. Inappropriate prescribing in aged care residents with advanced dementia. *Society of Hospital Pharmacists of Australia (SHPA) NSW Branch Symposium on end of life.* June 14 2014, Sydney.

Hosie AM, **Phillips JL,** Agar M, Bush S, Weickman M*. Invited workshop*. Interdisciplinary Management of Delirium in Palliative Care: Collaboratively Building the Evidence Base, *American Delirium Society's (ADS) 4th Annual Meeting - Delirium: From Molecules to Clinical Implementation,* June 1-3, 2014 Baltimore, Maryland, USA.

Goldsbury D, Ingham JM, Girgis A, Wilkinson A, **Phillips J**, Davidson P, O'Connell DL. Hospital-based care in the last year of life for people dying from cancer in New South Wales: a retrospective cohort study. *Clinical Oncology Society of Australia, Annual Scientific Meeting*, 2-3 December 2014, Melbourne.

Lovell M, **Luckett T, Phillips J**, Boyle F, **Davidson PM**, Stubbs J, Birch M, Spruy O, Agar M. Cancer pain: closing the evidence-practice gap. *Clinical Oncology Society of Australia, Annual Scientific Meeting*, 3 December 2014, Melbourne.

Lovell M, Birch M-R**, Luckett T, Davidson P,** Stubbs J, **Phillips J**, Agar M, Boyle F, Spruyt O. Pilot of pain indicator audit tool as part of a complex intervention to improve cancer pain outcomes. *2014 World Cancer Congress*, 3-6 December 2014, Melbourne

Maneze D, Salamonson Y, **DiGiacomo M**, Descallar J, **Davidson PM**. Facilitators and barriers of health-seeking behaviours in migrants from non-English speaking background with functional English language skills: Implications for health promotion*, 9th Annual Ingham Institute Research and Teaching Showcase,* 28 November 2014, Sydney.

Maneze D, Salamonson Y, **DiGiacomo M**, Descallar J, **Davidson PM**. Facilitators and barriers of health-seeking behaviours in migrants from non-English speaking background with functional English language skills: Implications for health promotion*, 9th Annual Ingham Institute Research and Teaching Showcase,* 28 November 2014, Sydney.

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T. (2014). A quasi experimental translational research intervention to improve cancer nurses adherence with recommended pain screening and assessment practices. *17th Cancer Nurses Society Australia Conference,* 25 July 2014. Melbourne.

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T. (2014). Improving pain assessment competencies of palliativ care nurses and patients' reports of pain through an online, 'Qstream' learning module: results from a quasi-‑experimental study. 15 April, 2014, *34th Annual Australian Pain Society Conference,* 14-16 March 2014, Hobart.

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T. (2014). Improving pain assessment competencies of palliative care nurses and reducing patients' reports of pain through an online, 'Qstream' learning module: Results from a quasi-experimental study*. 5th Biennial Palliative Care Nurses Australia Conference*, 6-7 April, Sydney

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T. (2014). 'Qstream' Education Module Impact on Palliative Care Nurses' Pain Assessment Competencies and Patients' Reports of Pain? Results from a Quasi-experimental Pilot Study", *Sigma Theta Tau International's (STTI's) 25th International Nursing Research Congress - Opening Plenary Session* (Excellence in Educational Research Award, 2014 Finalist) 24 July 2014, Hong Kong

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T. (2014). 'Qstream' Education Module Impact on Palliative Care Nurses' Pain Assessment Competencies and Patients' Reports of Pain? Results from a Quasi-experimental Pilot Study". *8th World Research Congress of the European Palliative Care Association,* 6 June 2014, Lleida, Spain.

Phillips JL, Heneka N, Hickman LD, Lam L, Shaw T (2014). Utilising Qstream, an online learning module, to increase palliative care nurses' pain assessment competencies and reduce patients' reports of pain: results from a quasi-experimental pilot study,*18th International Conference on Cancer Nursing*, 7-11 September 2014, Panama City, Panama

Phillips JL, Shaw T, **Heneka N**, Hickman L, Lam L. A complex Qstream© pain assessment intervention on cancer nurses' pain screening and assessment practices: results from a quasi-experimental study. *Clinical Oncology Society of Australia Annual Scientific Meeting,* 2-3 December 2014, Melbourne.

Prichard RA, Kershaw L, Goodall S, **Davidson PM**, Macdonald P, **Newton PJ**, Hayward C. Bottom Up Costing VAD Therapy and Advanced Heart Failure Management – First steps to establishing cost effectiveness. *Quality of Care and Outcomes Research Conference,* 3-6 June 2014, Baltimore, USA

Rankin N, Shaw T, McGregor D, Butow P, White K, Young J, **Phillips J,** Pearson S, York S, Simes J, Jones R, Barnes D, Stone E. Building an implementation science program in lung cancer care: results from Sydney Catalyst Translational Cancer Research Centre. *Clinical Oncology Society of Australia, Annual Scientific Meeting,* 2-3 December 2014, Melbourne

Virdun C, **Luckett T, Phillips J**. 'Dying in the hospital setting: A systematic review identifying the domains of end-of-life care that patients and their families rank as being most important'. *NSW State Palliative Care Conference*. 22-24 October, Sydney

Posters presented

Ferguson C, **Inglis SC**, **Newton PJ**, Middleton S, Macdonald PS**, Davidson PM**. Frailty and thromboprophylaxis prescription in heart failure and atrial fibrillation: Preliminary findings from the Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (AFASTER) cohort study. *European Society of Cardiology: Heart Failure Congress* 4 -7 May 2014, Athens, Greece.

Ferguson C, **Inglis SC**, **Newton PJ**, Middleton S, Macdonald PS**, Davidson PM**. Thromboprophylaxis prescription in hospitalised patients with heart failure and concomitant atrial fibrillation: Preliminary findings from the Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (AFASTER) cohort study. *European Society of Cardiology: Heart Failure Congress* 4 -7 May 2014, Athens, Greece.

Ferguson C, **Inglis SC**, **Newton PJ**, Middleton S, Macdonald PS & **Davidson PM**. The Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (AFASTER) cohort study: 90-day outcomes *European Society of Cardiology: Heart Failure Congress* 4 -7 May 2014, Athens, Greece.

Hickman L, **Phillips J, Newton PJ, Davidson PM**. The Montreal cognitive assessment tool: feasibility in a heart failure population group. *Dementia Collaborative Research Centres Forum,* 19 September 2014, Sydney.

Hosie, A, **Davidson, PM**, Agar, M, Lobb, E, & **Phillips, J**. Palliative Care Nurse Perceptions of Barriers and Enablers to Recognition and Assessment of Patients' Delirium Symptoms: A Qualitative Study. *American Delirium Society (ADS) 4th Annual Meeting - Delirium: From Molecules to Clinical Implementation* June 1-3, 2014 Baltimore, USA.

Inglis SC, Du HY, **Newton PJ, DiGiacomo M**, Omari A, **Davidson PM**. Disease Management Interventions For Improving Self-Management In Lower-Limb Peripheral Arterial Disease: A Cochrane Review. *World Congress of Cardiology,* 4- 7 May 2014, Melbourne.

Lovell M, **Luckett T**, **Phillips JL**, Agar M, Boyle F, Stubbs J, Birch M-R, **Green A**, Marie N, **Davidson PM**. A systems approach to improving cancer pain management. *Innovations in Cancer Treatment and Care Conference* 17 October 2014. Sydney,

Luckett T, **Davidson P**, Agar M, **Phillips J**, Boyle F, Stubbs J, **Green A**, Marie N, Lovell M. Triangulation of methods as a resource-efficient approach to developing complex interventions to support implementation of evidence-based guidelines: the example of cancer pain *International Forum on Quality and Safety in Healthcare*, April 2014, Paris, France.

Maneze D, Salamonson Y, Poudel C, **DiGiacomo M, Davidson PM**. Acculturative stress, depression and health-seeking behaviours among Filipino immigrants *9th Annual Ingham Institute Research and Teaching Showcase, ,* 28 November 2014, Sydney; UTS Faculty of Health Research Forum 10-12 December, Sydney. (Best poster award winner) (Supervisors **Davidson PM, DiGiacomo M**, Salamonson Y)

Phillips JL, Shaw T, **Heneka N**, Hickman L, Lam L. Multi-centre pre-post test trial of a complex Qstream© pain assessment intervention on cancer nurses' pain screening and assessment practices *World Cancer Congres,* 3-6 December 2014, Melbourne

Prichard RA, Kershaw L, Goodall S, **Davidson PM**, Macdonald P, **Newton PJ**, Hayward C. Bottom Up Costing VAD Therapy and Advanced Heart Failure Management – First steps to establishing cost effectiveness . *Quality of Care and Outcomes Research Conference,* 3-6 June 2014, Baltimore, USA

HONORARY APPOINTMENTS AND ASSOCIATE MEMBERS

The Centre has formalised connections with a number of international and local collaborators through facilitating both adjunct professorships and honorary appointments at UTS.

Adjunct Professors

A/Prof Meera Agar, Director of Palliative Care, Braeside Hospital, HammondCare

A/Prof Christopher Hayward, Consultant Cardiologist, St Vincent's Clinic and St Vincent's Private Hospital

A/Prof Kate MacIntyre, Public Health, University of Tasmania

Prof Peter Macdonald, Senior Staff Cardiologist, St Vincent's Hospital, Sydney

A/Prof Samar Neyef Noureddine, Hariri School of Nursing

Prof Abdullah Omari, Head of Vascular Medicine and Staff Specialist, St Vincents' Hospital, Sydney

Prof Cynda Rushton, Prof of Clinical Ethics, Prof of Nursing and Paediatrics, The Johns Hopkins University, Baltimore

A/Prof Sarah Szanton, School of Nursing, The Johns Hopkins University, Baltimore

A/Prof Anne Tetitelman, School of Nursing, University of Pennsylvania

Honorary Associates

Dr Penelope Abbott, General Practitioner, Aboriginal Medical Service Western Sydney (AMSWS)

Dr Zuhal Bahar, Dokuz Eylul University, Turkey

Kimberley Bardsley, Nurse Practitioner, St Vincent's Hospital

Ms Sungwon Chang, Lecturer, School of Biomedical and Health Sciences, University of Western Sydney

Ms Joyce Davison, Senior Aboriginal Health Worker Team Leader, Chronic Disease Team, Aboriginal Medical Service Western Sydney (AMSWS)

Mrs Patricia Delaney, Senior Policy Officer, Aboriginal Medical Service Western Sydney (AMSWS)

Dr Beth Fahlberg, Clinical Associate Professor, University of Wisconsin, Madison

Ms Julie Farmer, Clinical Nurse Educator, Hammond Care

Dr Mehrdad Heydari, Collaborating on projects in Peripheral arterial disease

Dr Abbas Haghshenas, Casual Lecturer, University of Sydney

Assistant Prof Mohammad Ali Hosseini, University of Social Welfare and Rehabilitation Management Dept

Dr Melanie Lovell, Palliative Medicine Physician, Greenwich Hospital, HammondCare

Ms Pauline Luttrell, Learning and Development Manager, Hammond Care

Ms Julee McDonagh (nee Schmitzer), Clinical Trials Coordinator, St Vincent's Hospital

Ms Roslyn Prichard, Right Heart Catheter Program Coordinator, St Vincent's Hospital, Sydney

Dr Eugene Salole, Principal, Value-Based Access (Specialists in Market Access and HTA for medical devices & diagnostics) -

Dr Tracy Smith, Staff Specialist, Campbelltown Hospital

Ms Denise Stokes, Clinical Nurse Educator, Hammond Care

A/ Prof Elizabeth Tanner, School of Nursing, The Johns Hopkins University

Ms Carol Whitfield, Nurse Practitioner, St Vincent's Hospital

CCCC Associate Members

An important part of the Centre's collaboration strategy are the UTS staff and external collaborators who have joined the Centre as CCCC Associate Members.

Ms Nicola Brown, Faculty of Health, UTS

Prof David Currow, Flinders University

Prof John Daly, Faculty of Health, UTS

Dr Angela Dawson, Faculty of Health, UTS

Dr Elizabeth Denney-Wilson, Faculty of Health, UTS

Dr HuiYun Du, FIinders University

Prof Doug Elliott, Faculty of Health, UTS

Dr Terry Flynn, Centre for the Study of Choice (CenSoC), UTS

Prof Robyn Gallagher, Charles Perkins Institute, USyd

Ms Claudia Giugni, Faculty of Health, UTS

Prof Jonathan Golledge, Queensland Research Centre for Peripheral Vascular Disease, James Cook University

Dr Janet Green, Faculty of Health, UTS

A/Prof Elizabeth Halcomb, School of Nursing and Midwifery, University of Western Sydney

Dr Louise Hickman, Faculty of Health, UTS

Prof Debra Jackson, Faculty of Health, UTS

Dr Jane Koch, University of Western Sydney

Prof Henry Krum, Monash University

A/Prof Sara Lal, Faculty of Science, UTS

Ms Guohua Liang, QCIS, FEIT, UTS

Prof Longbing Cao, Faculty of Engineering and IT, UTS

Mr Glenn Paull, St George Hospital

Ms Angela Phillips, Faculty of Health, UTS

Mr John Rihari-Thomas, St. Vincent's Hospital, Sydney

Prof David Sibbritt, Faculty of Health, UTS

Dr Sandra Thompson, Department of Rural Health, WA University

Mr Robert Zecchin, Westmead Hospital

INTERNATIONAL VISITING SCHOLARS AND STUDENTS

The Centre hosted a number of renowned international visiting scholars and students from collaborating institutions during 2014, further strengthening our ties with our international collaborators. International collaboration is a key aspect of maximising the impact of the research generated by the Centre.

International visitors to the Centre in 2014 were:

January

Martha Abshire - PhD Candidate, Johns Hopkins University, United States of America

Dr Diana Baptiste - Assistant Professor, School of Nursing, Johns Hopkins University, Baltimore, United States of America

Dr Zuhal Bahar - School of Nursing, Dokuz Eylul University, Izmir, Turkey

April

Prof Patricia Davidson - Dean of School of Nursing, Johns Hopkins University, Baltimore, United States of America

June

Prof Kathleen Dracup - Dean Emeritus and Endowed Professor in Nursing Education, School of Nursing, University of California, San Francisco, United States of America

July

A/Prof Jason Farley - Associate Professor, School of Nursing, Johns Hopkins University, Baltimore, United States of America

August

Dr. Kamila A. Alexander - Postdoctoral Fellow, School of Nursing, Johns Hopkins University, Baltimore, United States of America

A/Prof Anne Teitelman - Associate Professor of Nursing and Medicine, University of Pennsylvania, United States of America

September

Dean Xie and Prof Jun Zhang, Associate Dean of School of Nursing from the Sun Yat-sen University (SYSU), China.