



Nursing Research and Practice Development Centre

The Prince Charles Hospital
Australian Catholic University

INAUGURAL REPORT 2010 - JUNE 2012

Contents

02	Welcome
03	Messages
04	About us
05	Personnel
06	Steering Committee
06	TPCH and ACU Partnership Representatives
07	Visiting Researchers
09	Associate Researchers
12	Research Collaborators
12	Research Assistants
13	Post Graduate Research Students
14	Guests and Visitors
15	Completed Research Projects
17	Current Research Projects
19	New Research Projects
19	Publications
21	Conference Presentations
22	Research Grants
23	Awards and Achievements
23	Esteem Indicators

Welcome

Professor Paul Fulbrook

On behalf of The Prince Charles Hospital (TPCH) and Australian Catholic University (ACU) Nursing Research and Practice Development Centre (NRPDC), we welcome you to our inaugural report.

This inaugural report provides information about the NRPDC research activities since its establishment in 2010 until June 2012. Future reports will be produced annually. The report includes information about our many and varied research projects, research awards and commendations, affiliated clinicians and research students, and research outputs. It signals the beginnings of a thriving research centre, and we look forward to continued development and expansion over the coming years.

The past two years has been a period of substantial growth for the NRPDC; in staff numbers and office space. The new centre, which is located in the Clinical Sciences Building was expanded and modernised in 2011 and now houses facilities for nine researchers. A full-time research assistant was appointed in late 2010, followed by a part-time (0.6) research fellow in late 2011. Both positions are jointly funded between TPCH and ACU. Recruitment of another research fellow is planned for the latter half of 2012. The NRPDC also facilitates five visiting researchers from ACU, who are involved with TPCH staff on a variety of projects. Their collaboration provides support to TPCH staff with potential and ongoing research projects, and strengthens the research training environment within both organisations. Other users of the NRPDC include ACU higher degree research students; a primary aim is to recruit research students from within the hospital. These students are supported via the NRPDC and have on-site access to their supervisors, office facilities, and research equipment.

In recognition of their important roles and support of the NRPDC, honorary academic titles were conferred by ACU upon two key nursing staff. Ms Debra Cutler, Executive Director of Nursing and Midwifery Services, was conferred the title of Adjunct Professor, and Ms Cherie Franks, Nursing Director, Clinical Effectiveness (in which NRPDC is housed), was recognised as a Clinical Associate Professor.

The NRPDC has submitted a number of successful research grants. The funds have been instrumental in ensuring that nurses are provided adequate time to undertake rigorous research projects. These projects are now 'bearing fruit' and a growing number of NRPDC and TPCH nurses have published journal articles and presented their work at international and national conferences.



The continuing hard work of the NRPDC staff, and the collaborations formed with clinician-researchers, have significantly increased our capacity and capability to conduct clinically relevant research. Whilst most of our research has been nurse-led, we have also developed productive collaborative research partnerships with other professional disciplines.

Our success and achievements, which are detailed in this report, would not have been possible without the ongoing support received from TPCH and ACU. I would also like to acknowledge the generous support from TPCH Foundation, which has provided research grants for a number of important projects, and Kedron and Wavell Services Club which has donated funds to support nursing research at TPCH.

Messages



Adjunct Professor Debra Cutler

Executive Director

Nursing and Midwifery Services

The Prince Charles Hospital

I am delighted to present this inaugural report for the Nursing Research and Practice Development Centre, The Prince Charles Hospital (TPCH), which was established in 2010 in collaboration between TPCH and ACU.

The initial years were focused on defining our research strategic priorities and developing the resources and infrastructure to support their achievement. This year we celebrate our 3rd anniversary and I am very proud of the Centre's achievement. We have built some strong relationships with TPCH Foundation and also Kedron and Wavell Services Club, which we will continue to develop over future years.

The Centre offers our nurses the opportunity to increase their level of knowledge by participating in its mentoring and scholarship programs, enrolling in master's and doctoral research programs and a range of research activities to advance their clinical practice and improve patient outcomes.

To ensure that nursing services are being provided in an efficient and effective manner it is very important that we integrate research into clinical practice. To achieve this we have supported a variety of quality research projects via the Centre, which are presented in this report. Our nurses' research has been presented formally via published articles and conference presentations nationally and internationally.

I am proud of our Centre's achievements and look forward to many productive years ahead.



Professor Michelle Campbell

Executive Dean

Faculty of Health Sciences

Australian Catholic University

I am very pleased to present this inaugural report for the Nursing Research and Practice Development Centre, The Prince Charles Hospital (TPCH).

The Faculty of Health Sciences at Australian Catholic University (ACU) offers courses in the areas of exercise science, midwifery, nursing, paramedicine, physiotherapy and occupational therapy. Indeed, ACU is the largest provider of graduate nurses in Australia, an accomplishment that comes from its commitment to promoting excellence in teaching and research.

As part of ACU's commitment to research, the Nursing Research and Practice Development Centre was established in 2010 as a joint collaboration between TPCH and ACU. This partnership meets the strategic goals of the Faculty and the University as well as ensuring ACU's continued commitment to helping vulnerable people by supporting vital research.

I look forward to a long and productive alliance.

About Us

Who we are

The NRPDC was founded in 2010, to foster change through research and encourage the implementation of evidence-based practice regarding patient care. Its overall aim is to contribute to improved clinical outcomes.

The NRPDC houses a nurse-led research team whose aim is to inspire, support, and undertake quality research within the hospital. To date, our research has focused primarily on five areas of clinical practice, which are aligned with nursing priorities that are identified within TPCH Nursing Strategic Plan:

- cardiac care
- mental health care
- thoracic care
- falls injury prevention
- pressure injury prevention.

Two emerging research areas are emergency care and dementia care.

Our aims

- To undertake research and practice development that is aligned with TPCH nursing strategy.
- To undertake research and practice development that impacts on the quality of patient care and improves outcomes.
- To extend nursing research capacity and capability, and enhance the research culture within the hospital and the university.
- To assist clinicians in research activities by providing mentorship and facilitation for research development, data collection, data analysis, and dissemination.
- To provide research ethics and governance guidance.

- To provide information regarding internal and external funding sources, and assist/collaborate with research grant applications.
- To support and co-write research articles for local, national and international conferences and peer reviewed journal publications.
- To assist clinical staff to obtain adequate funds to provide time away from their substantive roles to work on research projects.
- To support nursing staff to undertake higher degree by research (HDR) studies; supervised via the NRPDC.
- To provide HDR students with supervision, a research community, and office space and facilities to work on their research.

Governance

The NRPDC is governed by a Steering Committee, which meets to agree on and monitor the strategic direction and outcomes of the centre. Its members are:

Adjunct Professor Debra Cutler, Executive Director of Nursing & Midwifery Services, TPCH; **Professor Michelle Campbell**, Executive Dean, Faculty of Health Sciences, ACU; **Clinical Associate Professor Cherie Franks**, Nursing Director, Clinical Effectiveness, TPCH; **Professor Mary Courtney**, Head, National School of Nursing, Midwifery and Paramedicine, ACU; **Megan Lowe**, Nursing Director, Education & Workforce, TPCH; **Associate Professor Paula Schulz**, Deputy Head, School of Nursing, Midwifery and Paramedicine, ACU & Visiting Research Fellow, NRPDC, TPCH; **Professor Paul Fulbrook**, Nursing Director, Research and Practice Development, NRPDC, TPCH & Professor of Nursing, School of Nursing, Midwifery and Paramedicine, ACU.



Personnel



Professor Paul Fulbrook RN; PhD, MSc, PGDipEduc, BSc (Hons)

Nursing Director

Paul was appointed as Professor of Nursing at ACU in late 2004. He began collaborating with TPCH in a part-time role in mid-2008. This led to his establishment in a full-time jointly funded role at TPCH in mid-2009, as Nursing Director, Research and Practice Development. With the support of Adjunct Professor Cutler, the NRPDC was established in 2010.

Paul's clinical and research background is in intensive care nursing; he is well known for his critical care nursing work, has published widely in this field and spoken at many national and international conferences. Critical care nursing continues to be a major research area of interest. He has also led large international research studies around critical care nursing practices including, most recently, a twenty country survey of intensive care nurses' knowledge levels. Evidence-based practice is another area of interest, in particular the nature of knowledge and its pragmatic value in a practice context.

Professionally, Paul is very active in critical care nursing, and is the current National President of the Australian College of Critical Care Nurses, as well as being President of the Queensland Committee. He has an active role in the research life of TPCH, and is a founder member of its Research Council, and a member of the Hospital Research Ethics Committee.



Sandra Miles RN, RM; BN, MN (Child & Adol), PhD Cand.

Research Fellow

Sandra's work is focused primarily on pressure injury prevention. She is working with TPCH colleagues to advance research in areas of interest to the hospital and to increase publications arising from research and practice development.

Current projects include publication of pressure injury prevalence data with associated best practice, and support for staff undertaking research into pressure injury risk assessment and prevention. Falls prevention is another area of work, with particular focus on the fear of falling and associated impact and costs arising from falls.

Sandra is a PhD candidate, and is investigating the effects of a daily sensory motor development program on young children's development and learning. The study employs a cluster, pragmatic, unblinded, controlled trial.

Petra Lawrence RN; BN (Hons), PhD student

Research Assistant

Petra is an early career researcher and has worked at the NRPDC as a research assistant since November 2010. As well as undertaking her own research, her role is to provide assistance to researchers engaged in nurse-led research projects, specifically to assist nursing research and practice development, implementation and evaluation.

Petra is a PhD student and is investigating the provision of brief interventions for emergency department attendees with mental health and alcohol co-morbidity.



Steering Committee

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Adjunct Professor Debra Cutler	Executive Director of Nursing & Midwifery Services, TPCB	Clinical Associate Professor Cherie Franks	Nursing Director, Clinical Effectiveness, TPCB
		Megan Lowe	Nursing Director, Education & Workforce, TPCB
Professor Michelle Campbell	Executive Dean, Faculty of Health Sciences, ACU	Associate Professor Paula Schulz	Deputy Head, School of Nursing, Midwifery and Paramedicine, ACU & Visiting Research Fellow NRPDC
Professor Mary Courtney	Head, National School of Nursing, Midwifery and Paramedicine, ACU	Professor Paul Fulbrook	Nursing Director, Research and Practice Development, NRPDC & Professor of Nursing, ACU

TPCB and ACU Partnership Representatives



Debra Cutler, RN; M Health Manage, BSc (Hons)

Executive Director of Nursing, TPCB; Adjunct Professor, ACU

Debra joined Queensland Health in July 2008. She is the Executive Director of Nursing & Midwifery Services TPCB & Metro North Health Service District. Debra has considerable executive director of nursing experience in the UK and Australia.

Debra contributes significantly to the strategic direction and management, to the quality of clinical services provided, and to the clinical and corporate governance agendas. She is responsible for providing executive and professional leadership to strategic planning and the service redesign, delivery and quality development of clinical services, and for providing professional nursing advice.

Debra considers there to be a number of areas which are critical to the achievement of continued improvements in the provision of patient services. One of the principal challenges in the future will be to ensure that research evidence is effectively integrated into the provision of health care and the NRPDC continues to evaluate and research the services we provide in order to improve care for our patients. She is committed to continuous service improvements and recognises the importance of a team approach, the empowerment of staff to develop a successful

learning organisation and the importance of continuing professional development.

In recognition of her key leadership role in research, Debra was awarded an Adjunct Professorship with ACU.



Professor Mary Courtney, RN, RM, M&CHC; PhD, BA (Accounting), M Health Planning

National Head of School of Nursing, Midwifery and Paramedicine, Faculty of Health Sciences, ACU

Mary has worked in tertiary education for 24 years. She commenced as Head, School of Nursing, Midwifery and Paramedicine at ACU in January 2012, having previously worked at the University of New England, Armidale for eleven years and Queensland University of Technology for thirteen years. She recently returned to Australia after a year at the University of British Columbia, Canada.

Mary is a very active researcher, and has authored over 110 refereed articles, 25 book chapters and seven books. She has also received significant funding from ARC Discovery, ARC Linkage, and NHMRC grants. Her current research interests include: quality of life and family care giving; self-management; aged care and chronic disease; and intervention studies.



Cherie Franks, RN; BN, Grad Cert Health Stud (Nurs), Dip Manage

Nursing Director, Clinical Effectiveness, TPCH; Clinical Associate Professor, ACU

Cherie is responsible and accountable for the provision of effective leadership, high level operational management and clinical expertise. She is involved in the planning, coordination, formulation and direction of policies relating to the provision of nursing

clinical governance and quality initiatives for nursing services. Her department – in which the NRPDC is housed - supports excellence in clinical care and ensures the planning, delivery and evaluation of high quality and cost effective services that are consistent with the strategic and operational directions of TPCH, and Queensland Health policy.

Cherie is chair for the Falls Injury Prevention Committee and Tissue Viability Committee at TPCH and has membership on both Metro North and state-wide committees in both areas.

Cherie is very interested in nursing research and works collaboratively with the Nursing Director Research and Practice Development. She has a firm belief that when entering the arena of clinical effectiveness, it is necessary to ensure that the implementation of good practice is based on the best available evidence. Best practice involves the ability to transfer research evidence to practice, and by creating a research culture within the hospital ensures that her goals as Nursing Director of Clinical Effectiveness are achieved.

In recognition of her key supporting research role, Cherie was awarded a Clinical Associate Professorship with ACU.



Megan Lowe, RN; B H Sc, Dip App Sc (Nursing Education), MA Admin Leadership

Nursing Director, Education and Workforce, TPCH

In her current role, Megan is responsible and accountable for the provision of effective leadership, high level operational management and clinical expertise. She is involved in the planning coordination,

formulation and direction of policies relating to the provision of nursing education, staff development and nursing workforce at TPCH to support excellence in clinical care.

Megan has worked for Queensland Health for over 28 years and has held a number of senior nursing positions across clinical, educational and workforce fields. Over the last ten years, her interest in human error and patient safety has led to her active involvement in advocating for a just healthcare culture and teaching multidisciplinary teams about the role of system error in patient harm.

Megan participated in a range of activities associated with visioning and bringing to life an interactive partnership with ACU in the development of a Clinical School.

Visiting Researchers



Dr Jenneke Foottit, RN; PhD, M Soc Sc, B Soc Sc

Visiting Research Fellow

Jenneke is based at the NRPDC one day per week, and lectures in the School of Nursing, Midwifery and Paramedicine at ACU (Brisbane) the remainder of the week.

Jenneke completed her PhD in 2010 at QUT where her research was in wellness

perceptions in older adults. Her specialty is ageing and her research focus is on people with dementia, particularly later stages. She is interested in issues around managing pain in cognitively impaired older adults, and the management of behaviours of concern in people with late stage dementia.

Her earliest research work of people with dementia included working on a research project examining the use of case conferencing in the introduction of palliative care, systematic

reviews on palliative care, use of supplements, and use of thickened fluids. From there she progressed to completing her PhD, examining how older adults perceive wellness, particularly older women over 85 years of age.

She has been teaching in different levels of education in nursing: Bachelor, Diploma and Certificate III in Aged Care, and has worked in a variety of clinical settings such as; hospital, domiciliary, urban, regional, and different countries.

Her personal commitment to research is due to her belief that research needs to inform the education provided to health professionals and that quality research and education are linked to good health outcomes. She believes health professionals need a strong grounding in both the science and art of their chosen field, fostered by good teaching and supported by good ongoing research and role modelling.

Jenneke is working with TPCH colleagues on projects involving the use of ECT with dementia patients who have challenging behaviours and fall prevention in cognitively impaired patients.



Alison Peeler, RN; M Phil, P G Cert (Paed), P G Cert (Paed Int Care), Grad Dip (Neonat), PhD student

Visiting Research Fellow

Alison is based at the NRPDC one day per week, and lectures in the School of Nursing, Midwifery and Paramedicine at ACU (Brisbane) the remainder of the week. She has over twenty five years experience

as a registered nurse and has worked in many areas including education, research and management.

For her Master of Philosophy degree, Alison researched parents' and nurses' experiences of respiratory support of children with respiratory distress syndrome due to acute bronchiolitis.

She has recently commenced her PhD in the area of paediatric emergency care, and will be evaluating the new paediatric emergency department at TPCCH.



Sandra Hyde, RN, Mental Health Practitioner; M Adv Prac (Mental Health Nursing), MA (Educ & Work), B Appl Sci (Adv Nurs)

Visiting Researcher

Sandra is based at the NRPDC one day per week, and lectures in the School of Nursing, Midwifery and Paramedicine at ACU (Brisbane) the remainder of the week.

Sandra has worked in adult mental health in the acute and community settings, mental health consultation liaison, with clients who have a dual diagnosis in an acquired brain injury unit and in the Mental Health Information Unit as a Clinical Indicator Coordinator, and continues to collaborate in clinical mental health partnerships. She also has extensive experience in general medical surgical nursing.

Sandra's areas of research interest include examining and enhancing the care of the consumer in the acute care setting, and the early detection and treatment of depression and anxiety in the general population. Her TPCCH-based research projects are in the areas of patients' experiences of seclusion, use of the 'comfort' room, and mental health and alcohol-use co-morbidity of emergency department patients. She received a Novice Researcher grant from TPCCH Foundation for her research work around the development of a comfort zone for distressed people with mental health problems.



Associate Professor Paula Schulz, RN; BA, B Sci (Hons), M Psych, D Psych (Health)

Visiting Research Fellow

Paula is based at the NRPDC one day per week. She has worked in tertiary education for 21 years. She is currently an academic staff member of ACU in the School of Nursing, Midwifery and Paramedicine (Brisbane

campus). She has held a number of academic leadership positions with the School and Faculty at ACU and is currently Deputy Head of School. She recently commenced as a Visiting Research Fellow at TPCCH.

Paula completed her PhD in 2007, investigating the efficacy of a modified Theory of Planned Behaviour that included anticipated regret as an additional variable in determining the reproductive intentions of women. Her research interests lie in the area of positive psychology and resilience, chronic illness self management and health behaviour change.



Keith Skelton, RN; M Nurs Leadership, Grad Dip Health Science (Health Educ), B Sc (Environ Stud), Crit Care Cert

Visiting Researcher

Keith is based at the NRPDC one day per week, and lectures in the School of Nursing, Midwifery and Paramedicine at ACU (Brisbane) the remainder of the week.

Currently in his fourteenth year of working at ACU, Keith is a lecturer in nursing and nursing science. Prior to this role he was employed as a technical officer, managing the science and clinical nursing laboratories concurrent with casual teaching. Before commencing at ACU, he was employed as nurse educator at the Princess Alexandra Hospital (Brisbane) for two years, where he developed the first wound care course for staff, which led to involvement in several wound care research projects. Prior to working as an educator, Keith spent eleven years nursing clinically in various hospitals and wards, including a one-year contract in Saudi Arabia. His clinical area of expertise was ICU/ CCU but he also has broad clinical experience and most recently has gravitated towards mental health nursing.

Keith's research interests cover several areas: wound care, mental health and medication calculations. He is currently working with TPCCH-based colleagues who are investigating the use of comfort/ quiet rooms to minimise the use of seclusion and restraint in mental health settings.

Associate Researchers



Alissa Anderson, RN; BA, BN, Grad Cert

Intensive care nurse researcher

Alissa is a registered nurse currently working in the adult intensive care unit (ICU) at TPCH. She holds a Graduate Certificate in intensive care nursing and has worked in this area for five years.

She is currently undertaking a mentored research project via the NRPDC, which is systematically investigating the research evidence surrounding the prevention of pressure injuries in critically ill and highly immobile patients, especially those receiving extracorporeal membrane oxygenation (ECMO).

Alissa is also the successful recipient of a TPCH Foundation Novice Research grant with Professor Fulbrook as her mentor. Her research will test the use of a recently developed and validated Spanish pressure injury risk assessment tool, the COMHON Index, which has been developed specifically for intensive care patients. This clinical study will be based within TPCH ICU. Her research aim is to validate an assessment tool that incorporates accurate and time-effective assessment of pressure injury risk for critically ill adults which will, in turn, result in the appropriate initiation of pressure injury prevention for at risk patients.



Stephanie Gettens, RN; BN

Internal Medicine/Quality Effectiveness Support Team nurse researcher

Stephanie is clinical nurse at TPCH and works in the Early Medical Assessment Unit and the Quality Effectiveness Support Team. She is the project officer for falls prevention and has worked on several projects with Professor Fulbrook.

Stephanie was awarded a Novice Research grant from TPCH Foundation, with Professor Fulbrook as her mentor, to investigate 'fear of falling' and its relationship to clinical outcomes, such as hospital length of stay. Her study on falls is highly relevant to TPCH and will provide valuable data that will help to provide the basis for practice development and will form the foundation for further larger studies.

Stephanie has enrolled in a Master of Philosophy degree commencing in 2012 at ACU through which she will continue her research regarding falls prevention. Her supervisors are Professors Paul Fulbrook and Mary Courtney.



Wendy Austin, RN

Cognitive assessment and management nurse researcher

Wendy is the nurse unit manager of the Cognitive Assessment and Management Unit (CAM) at TPCH. She has been in this position for six years, and previously spent over 25 years in intensive care.

Wendy has become involved in research associated with dementia care, and in particular with the use of electroconvulsive therapy for management of behavioural and psychological symptoms of dementia, which is an accepted treatment option in CAM, but is not commonly recognised in other centres. Wendy has also been involved in an audit demonstrating the connection between childhood trauma, and the development of dementia in older age (unpublished).



Clinton Crabtree, RN; BN

Cardiothoracic nurse researcher

Clinton graduated from a bachelor of nursing degree in 2002, and completed his first post-graduate year in cardiac medical before moving onto a cardiothoracic surgical ward for one and a half years. He then worked overseas for a further two and a half years in a cardiovascular surgical ward, which accommodated both paediatric and adults. Upon returning to Australia he recommenced working in the area of cardiothoracic surgery, and for the past three years has been a clinical nurse in that area.

Clinton has been working on a project with his colleague Darren McMillan, which investigated factors that contribute extended length of hospital stay in cardiac surgical patients.

Paula Ve, RN; BN, Grad Cert Chronic Disease Management

Thoracic nurse researcher

Paula has worked in the area of thoracic nursing both in Australia and overseas for approximately 14 years. She is currently Clinical Nurse Consultant for Pulmonary Vascular Disease within the Lung Transplant Service at TPCH and has been with this service since 2008. She is researching patients' understanding of information given to them following diagnosis of pulmonary artery hypertension.



Pauline Hughes, RN; Dip Higher Educ Nurs

Community nurse practitioner researcher

Pauline is a Nurse Practitioner - Respiratory, employed in the Heart Lung team, within Primary and Community Health Services (P&CHS). Prior to gaining a Masters Degree in chronic disease specialising in respiratory in July 2010, she worked as a respiratory nurse

in both the UK and Australia.

During her five years at P&CHS, she set up a pulmonary maintenance program, which paved the way for the pulmonary rehabilitation program that the Heart Lung Team now runs at the North Lakes Health Precinct. The program is delivered by an experienced multidisciplinary team, who have specialised in cardiac and respiratory care. It enables people to learn to develop self management skills in managing their chronic condition.

At the Statewide Respiratory Network she saw a presentation from Medical Aids Subsidy Scheme (MASS) about poor concordance with oxygen. She was shocked by the results and felt that they should be investigated further. With the help of a group of researchers and specialists across the district, led by Professor Paul Fulbrook and Associate Professor Ian Yang from TPCH, a chronic disease research grant was obtained, to investigate oxygen concordance further.

The research aims to review why clients with COPD who have been prescribed oxygen for chronic hypoxia decide to under use their oxygen. As part of the research a motivational interview (MI) tool is being developed that will help clients with COPD to make health care choices that are evidence-based.

Trish Leisfield, RN

Thoracic nurse researcher

Trish is a clinical nurse, based in the Queensland Centre for Pulmonary Transplantation and Vascular Disease at TPCH. In collaboration with Prof Fulbrook and Kay Wiggins – a social worker colleague - she completed a qualitative research study that investigated children’s understanding of their parent’s lung transplant. This was a highly successful research study. The team was awarded a Queensland Health Nursing and Midwifery research grant for the project, and has presented the findings nationally and internationally, as well as publishing in a peer-reviewed journal.

Anne Li, B Econ, B Soc Wk, Grad Cert Primary Health Care Research

Thoracic social work researcher

Anne is a social worker based in the thoracic department at TPCH. She was mentored by Prof Fulbrook on a qualitative research that investigated people with cystic fibrosis who had become parents.

It is only relatively recently that this has become viable, and Anne’s research focused on understanding the forethought and planning in the lead up to making a decision to become a parent.



Sue Martin, RN; BSc (Hons)

Coronary care nurse researcher

Sue Martin has been a cardiac nurse for thirteen years and is a Clinical Nurse and Clinical Nurse Teacher in the coronary care unit (CCU) at TPCH. Sue trained in London and spent four years in the cardiac thoracic directorate at Guy’s and St Thomas’ NHS

Trust where she completed a post graduate

Bachelor of Science in critical care nursing at Kings College London. Her interest in her research has stemmed from working in TPCH coronary care since 2005, where she has seen the impact of prolonged bed rest on the psychological and physical well being of patients who have had myocardial infarctions.

Sue took over a research grant that was awarded to a colleague, and is investigating an early mobilisation protocol (EMP) in the CCU, for patients with uncomplicated ST-elevation myocardial infarction. If the pilot study suggests that the new protocol is at least as good as the existing protocol, this will have an important impact on CCU and hospital length of stay, which will reduce associated costs. Should this be the case, it is planned to conduct a larger randomised controlled trial of the EMP, which will also follow up patients for a longer period.

Vanessa Moore, RN; BN

Thoracic nurse researcher

Vanessa is the Acting Clinical Nurse Consultant for The Adult Cystic Fibrosis Centre at TPCH. In her current role she provides advanced nursing care for 300 adult patients with cystic fibrosis. She has worked in this area for the last 9 years and is also part of the Queensland Lung Transplant Unit Retrieval team.

Vanessa’s research, which was funded by a novice research grant from TPCH Foundation, is investigating cystic fibrosis patients’ experiences of losing a parent.



Darren McMillan, RN; BN, B Econ (Hons)

Cardiothoracic nurse researcher

Darren has been a registered nurse for just over nine years; all of them at TPCH. He has been a cardiothoracic surgical nurse for eight years, and has worked as a clinical nurse in this area since 2005.

As many of the patients undergoing cardiac surgery at TPCH have progressively been older and having a larger number of co-morbidities, we have seen a growing number of patients with an extended length of stay (ELOS) post surgery (approximately 12% of patients in 2009 with an ELOS of greater than 14 days).

Darren is working with a clinical colleague (Clinton Crabtree), under the supervision of Professor Fulbrook on a research study that is seeking to investigate what factors may specifically be contributing to an ELOS in cardiac surgical patients, and what interventions, particularly from a nursing perspective, might be introduced with the aim of reducing post operative LOS in such patients.



Maria Podger RN; BSc (Health Prom & Educ), Grad Cert Asthma Educ

Heart failure nurse researcher

Maria is Clinical Nurse Consultant in the Heart Failure Support Service at TPCH, where she has worked since 2006. Her past roles have included Clinical Nurse Consultant in the Medical Assessment and Planning Unit at the

Mater Hospital, Nurse Unit Manager of the Rehabilitation Unit at Ipswich Hospital, and Project Manager/Clinical Nurse Consultant for the Lung Health Service, Ipswich Hospital where she established a service to support patients with chronic respiratory disease.

Maria, with her colleague Robyn Peters at the Royal Brisbane and Women's Hospital, and Paul Fulbrook have undertaken a Delphi study of heart failure specialist nurses in Queensland. The aim of the project was to identify heart failure specialist nurse standards of practice. The study is important as there are no existing standards to guide nurses' practice. The results will inform the development and evaluation of heart failure nursing standards and education requirements, which in turn will improve the standard of care for people with heart failure. Clarification of the role of specialist heart failure nurses will also assist performance review and career planning.

Kay Wiggins, BA, B Soc Wk

Thoracic social work researcher

Kay began her career at as a social worker at The Royal Women's Hospital, Brisbane. She was there for 9 months, and then moved on to the Mercy Family Services where she stayed on as a parent aide and family support coordinator for 9 years.

Kay has also worked for Brighton Community Health and then as the lung transplant social worker for the Queensland Centre for Pulmonary Transplantation and Vascular Disease at TPCH. In this role, she became interested in children's understanding of their parent's lung transplant and conducted a qualitative study to explore this further and has presented the results at several conferences and published in peer reviewed journals.

She stayed at the Queensland Centre for Pulmonary Transplantation and Vascular Disease for four years before moving to geriatrics at the Extended Care Unit and the Cognitive Assessment and Management Unit at TPCH. Her current position is Geriatric Evaluation and Management Unit and Clinical Education.



Lauren Towers, RN, RM; JP(NSW)

Community nurse researcher

Lauren has been a community nurse for many years, in New South Wales, and then both with Queensland Health and Blue Care. In her professional capacity, she has looked after many clients in the community who have chronic respiratory illness and are prescribed home oxygen.

Lauren was given the opportunity to be involved in a COPD research project led by Professor Fulbrook and Pauline Hughes and thought it would be an exciting new challenge. The study is funded by a project grant from Queensland Health, which meant that she was able to be seconded to the project full time. She has never been involved in research in this capacity before and did not really know what to expect. After several months she is thoroughly enjoying the role and feels that she is able to make a difference for people with chronic illness.

The observations that she is reporting back to the team are of great interest and substantiating the need for this specific study. She has been finding it really rewarding working with this group researchers and clinicians who are so enthusiastic about caring for clients with respiratory disease and are keen to provide improvements to the care and quality of life to this specific clientele.

Research Collaborators

Collaborators	University and other organisations
Professor Scott Bell	Senior Staff Specialist, Thoracic Medicine, TPCH
Cathy Boyle	Education, TPCH
Kevin Clark	Internal Medicine Services, TPCH
Ian Davidson,	Coronary Care Unit, TPCH
Jane Fischer	Biala, Queensland Health
Dr Fran Kinnear	Department of Emergency Medicine, TPCH
Dr Colin Myers	Department of Emergency Medicine, TPCH
Gerry Post	Education, TPCH
Associate Professor Shawn Somerset	School of Public Health, ACU
Ian Serginson	Nurse Practitioner, Caboolture Hospital
John Vasil	MASS, Queensland Health
Associate Professor Kerriane Watt	James Cook University
Associate Professor Ian Yang	Consultant Thoracic Physician, TPCH

Research Assistants

The following TPCH staff are acknowledged for their contribution to research projects by assisting with data collection and data entry:

Clare Alcorn BN; B Hlth Sc (PH)

Assistant in Nursing, Quality Effectiveness Support Team

Clare has helped the NRPDC on several occasions. Primarily she has been involved with literature searching, chart audits, and data entry.

Mark Gallagher RN; BN

Clinical Nurse, Thoracic

Mark was seconded to NRPDC for several weeks, and has been involved with several research projects. He has helped with literature searching, data collection, setting up databases, and data entry.

Matthew Blaney EN

Enrolled Nurse, Quality Effectiveness Support Team

Matthew has played a key supporting role in collecting data for falls research, setting up databases, and entering data.

Lyn Russell EN

Advanced Enrolled Nurse, Cognitive Assessment and Management

Lyn was seconded to NRPDC for several months. She was involved in chart audits and data retrieval, as well as data inputting. She also undertook some literature searching.

Post Graduate Research Students

Completed Post Graduate Research Students			
Research Student	Degree	Supervisors	Thesis title
Lauren Kearney	Doctor of Philosophy	^a Prof. Paul Fulbrook Dr Jan Pratt	Open access community child health services: a three-phase evaluation
Ruth Hohn	Master of Philosophy	^a Prof. Paul Fulbrook Prof. Tracey McDonald	Transition to end-of-life in the aged care setting: identifying the changes
^a Alison Peeler	Master of Philosophy	^a Prof. Paul Fulbrook Prof. Sue Kildea	The experiences of parents and nurses of infants hospitalised for severe bronchiolitis requiring oxygen therapy: a phenomenological study
Sandy McKellar	Master of Research (Nursing)	^a Prof. Paul Fulbrook	Compliance with lipid-lowering medications following diagnosis of coronary heart disease by angiography: a prospective cohort study
Nelly Bruinsma	Master of Research (Nursing)	Dr Monica Nebauer ^a Prof. Paul Fulbrook	A phenomenological study of Spanish speaking patients experiences of pain after surgery in an acute setting
Janet Edmunds	Master of Research (Nursing)	^a Prof. Paul Fulbrook ^a Sandra Miles	Mothers' experiences of breastfeeding an infant with tongue tie: a phenomenological study.
^β Amanda McGuire	Master of Health Science	Prof. Debra Anderson ^a Prof. Paul Fulbrook	Factors that influence the uptake of positive health behaviours in a sample of older Australian women with a chronic disease
Anne Moore	Master of Research (Midwifery)	Dr Jennifer Kelly ^a Prof. Paul Fulbrook	Pioneering a new model of midwifery care: a phenomenological study of a midwifery group practice
^a Petra Lawrence	Honours (with distinction)	Dr Christina Campbell ^a Prof. Paul Fulbrook	The effect of feedback on ventilator bundle compliance
Current Post Graduate Research Students			
Research Student	Degree	Supervisors	Thesis title
Aaron Conway	Doctor of Philosophy	^a Prof. Paul Fulbrook Dr John Rolley Dr Karen Page	Sedation practices during percutaneous coronary angioplasty
Arpita Das	Doctor of Philosophy	Assoc. Prof. Shawn Somerset ^a Prof. Paul Fulbrook	Factors affecting overweight and obesity in patients with cystic fibrosis
^β Stephanie Gettens	Master of Philosophy	^a Prof. Paul Fulbrook Prof. Mary Courtney	Psychological factors that affect falls
^a Petra Lawrence	Doctor of Philosophy	^a Prof. Paul Fulbrook Assoc. Prof. Shawn Somerset Assoc. Prof. Paula Schulz	A randomised controlled trial of a psychosocial brief intervention for emergency department attendees with low level co-morbidity
^β Vainess Mbuzi	Doctor of Philosophy	^a Prof. Paul Fulbrook Prof. Nereda White	Indigenous people's experiences of acute cardiac care
^a Sandra Miles	Doctor of Philosophy	^a Prof. Paul Fulbrook Debra Betts	Able-Bodied Children: Development and Education.
^a Alison Peeler	Doctor of Philosophy	^a Prof. Paul Fulbrook Prof. Rose Chapman ^β Dr Frances Kinnear	Evaluation of a paediatric emergency department

^aNRPC ^βTPCH



Clinical Sciences Building TPCH

Guests and Visitors

Guests and Visitors	University	
Professor Maureen Coombs, Professor in Clinical Nursing (Critical Care)	Victoria University, New Zealand	Informal meeting to discuss research collaborations
Professor David Thompson, Head, Senior Proven Research Team Associate Professor Chantal Ski, Co-head, Senior Proven Research Team	Australian Catholic University	Papers presented at TPCH Education Centre: <ul style="list-style-type: none"> • <i>Cardiac rehabilitation: how can it be improved?</i> • <i>Psychosocial issues in coronary heart disease</i>
Professor Dawn Freshwater, Professor of Mental Health and Head of the School of Healthcare	University of Leeds, UK	Paper presented at TPCH Education Centre: <ul style="list-style-type: none"> • <i>Conducting reflexive action research in secure environments: methodological conflicts and dilemmas</i>
Professor Barbara Reigel, Professor of Nursing at the School of Nursing, and founding Editor and current Co-Editor of the Journal of Cardiovascular Nursing	University of Pennsylvania, USA	Paper presented at TPCH Education Centre: <ul style="list-style-type: none"> • <i>Incorporating self care principles into everyday practice</i>

Completed Research Projects

Children's conceptions of their parent's lung transplant

^βTrish Leisfield, ^αPaul Fulbrook, ^βKay Wiggins

A two-phase qualitative study informed by phenomenography, using children's artwork and interviews. Dissemination: TPCH presentations, several national and international conference papers, peer-reviewed publication.

Prevalence of mental health disorder and risky alcohol use comorbidity in emergency department attendees

^αPetra Lawrence, ^αPaul Fulbrook, Jane Fischer, Kerriane Watt, ^αSandra Hyde

A cross sectional survey of TPCH emergency department attendees using K10, DASS21, and alcohol breathalyser testing. Dissemination: national and international conference papers; several articles ready for submission.

Development of a decision-making framework for the use of seclusion

^αSandra Hyde, ^αPaul Fulbrook, ^βKeryn Fenton, ^βMichael Kilshaw

An action research based study based in the acute mental health unit, TPCH. Dissemination: several national conference papers; peer-reviewed publication.

A European survey of intensive care nurse knowledge levels

^αPaul Fulbrook, John Albarran, Birte Baktoft, Ben Sidebottom

A twenty country survey of European intensive care nurses. Dissemination: several national and international conference papers; peer-reviewed publication.



Emergency Department TPCH

^αNRPDC ^βTPCH

A South African survey of critical care nurses' attitudes and experiences of end of life care

Shelley Schmollgruber, Gayle Langley, ^αPaul Fulbrook, John Albarran, Jos Latour.

A survey of South African critical care nurses.
Dissemination: several national and international conference papers; peer-reviewed publication.

Falls: risk assessment, cause of falls, nursing activity, prevention and intervention

^αPaul Fulbrook, ^βStephanie Gettens

A series of TPCH-based research studies investigating in-hospital falls and their causes. Dissemination: Full report; local presentations.

Fear of falling and its association with hospital length of stay

^βStephanie Gettens, ^αPaul Fulbrook

A prospective observational study investigating fearing of falling using the Modified Falls Efficacy Scale.

Competencies and standards for heart failure specialist nurses

^βMaria Podger, Robyn Peters, ^αPaul Fulbrook

A Queensland statewide modified Delphi survey.
Dissemination: paper accepted at national conference.
Article in preparation.

Evaluation of an early mobilisation protocol for patients following uncomplicated ST-elevation myocardial infarction (STEMI)

^βSue Martin, ^αPaul Fulbrook, Ian Davidson

A prospective quasi-experimental study piloting an early mobilisation protocol for coronary care patients.

Factors contributing to extended length of stay for patients undergoing cardiac surgery

^βDarren McMillan, ^βClinton Crabtree, ^αPaul Fulbrook

A retrospective analysis of cardiac patients to identify factors which contribute to hospital length of stay greater than 14 days.

Use of ECT for severe behaviour concerns in people with late stage dementia

^αJenneke Footitt, ^βWendy Austin, ^αPaul Fulbrook

A retrospective chart audit of a cohort of patients admitted to the Confusion Assessment and Management (CAM) unit at TPCH with dementia causing severe behavioural problems that were treated with electroconvulsive therapy. Outcomes were described and analysed. Dissemination: TPCH Research Forum 2011; article in preparation for submission to peer-reviewed journal.

Prevalence of pressure injury: a ten-year analysis

^αSandra Miles, ^αPaul Fulbrook, ^βTracy Nowicki, ^βCherie Franks, ^βDebra Cutler

An analysis of the trend in prevalence of pressure injuries at TPCH over a ten-year period. Trends were examined in relation to various hospital-based initiatives to reduce the incidence of pressure injury i.e. quality improvement activities and education interventions. Dissemination: Article in preparation for submission to peer-reviewed journal.

Interdisciplinary education and treatment adherence

^βCathy Boyle, ^βGerardus Post, ^βPhilip Masel, ^αPaul Fulbrook, ^βKevin Clark

The purpose of this study was to implement and evaluate a one-day training program aimed at improving clinicians' awareness and responsiveness to clients with poor treatment adherence. There was a significant increase in the adherence knowledge and skills of the participating clinicians' post-program, which although reduced at one-month follow-up, was still above pre-program knowledge. The results also showed an increase in the therapeutic tasks. Dissemination: Peer-reviewed journal publication.

Current Research Projects

Systematic review of interventions to reduce pressure injury in immobile critically ill patients

^βAlissa Anderson, ^αPaul Fulbrook

Pressure injury (PI) prevention in critically ill patients features prominently in current research literature, as it is a key clinical indicator of the effectiveness of care; critically ill adults are often at higher risk than other patients. The impetus for this review arose from clinical concerns about the relatively high incidence of occipital PI in TPCH extra-corporeal membrane oxygenation (ECMO) patients, due to their being immobile and supine for prolonged periods of time. Thus, the initial inquiry via the research literature was focused on risk factors and methods of PI prevention for this group. However, the first search revealed an absence of research on this topic. The search remit and terms were therefore expanded to cover PI risk and prevention in all immobile critically ill patients. Thus, the aim of this review is to critically evaluate the effectiveness of interventions aimed at preventing PI in immobile critically ill patients.

Validity and reliability of a pressure injury risk assessment tool for intensive care patients

^βAlissa Anderson, ^αPaul Fulbrook

The incidence of pressure injuries is a key clinical indicator of the standard and effectiveness of care. However, in the intensive care setting, despite interventions aimed at their prevention, their incidence is relatively high. The aim of this study is to evaluate the application of the a new pressure injury risk assessment tool, designed specifically for intensive care: the COMHON index. The objectives are to: evaluate the validity and reliability of the COMHON Index within an adult Australian ICU population; compare the appropriateness of the COMHON Index with three commonly used – but non-ICU-specific - internationally used scales i.e. Waterlow, Braden, and Norton scales; and identify common risk factors of PI development in adult ICU patients.

A comparison of patient outcomes pre- and post-implementation of a close observation unit for at-risk patients

^αPetra Lawrence, ^αPaul Fulbrook

This study aims to investigate the effect of a close observation unit in an acute care facility, on hours for “nurse specials”. Data were collected from the close observation unit development project database and retrospective chart audits of patients who had been “specialised” in the

six months prior to the opening of the unit. Outcomes include the cost benefit in terms of nursing hours of the Close Observation Unit and hospital length of stay and falls incidence.

Survey of nurses’ knowledge of skin integrity and its management

^αPetra Lawrence, ^αSandra Miles, ^αPaul Fulbrook, ^βCherie Franks et al.

A skin integrity knowledge survey is in progress district wide to determine nursing staff knowledge on the topic of pressure injury prevention, skin tears and incontinence associated dermatitis. These injuries cause significant patient harm and increase hospital length of stay, yet are largely preventable. A quantitative cross sectional survey of nursing staff across the Metro North Health Service District is in progress using proportional stratified sample of all facilities and levels of nurses. The voluntary survey is online and anonymous, aiming to recruit 1041 nurses, with the TPCH sample complete. A standardised survey questionnaire is used with some modification to suit the district. SPSS was used to analyse TPCH data using descriptive statistics.

Indigenous people and their families’ experiences of cardiac care in a hospital setting

^βVainess Mbuzi, ^αPaul Fulbrook, Nereda White

This project is in its early stages, and will employ a mixed methods design. The aim is to understand how Indigenous people experience acute cardiac care, in order to inform the provision of culturally sensitive care.

Losing a parent: a new phenomenon for adults with cystic fibrosis

^βVanessa Moore, ^αPaul Fulbrook, ^βScott Bell

There is an increasing number of adults living longer with cystic fibrosis. This creates greater demands on the patient, carer and when available the family for support. Many research studies have demonstrated that the first and most important source of social support is very often found within the home environment. This support is reported to have a lasting effect on the patient’s emotional life and psychological mechanisms of adjustment, and consequently his/her health. The overall purpose of the study is to analyse the effect of parental loss on the adult with cystic fibrosis and how this relates to coping. This information will be valuable because it will inform service delivery for all members of the multidisciplinary team.

^αNRPDC ^βTPCH

Provision of a new children's emergency service: an investigation of the utility of a multidisciplinary simulation exercise with respect to staff awareness and preparedness

^βMichelle Davison, ^βFran Kinnear, ^αPaul Fulbrook

This research studies the effect of a multidisciplinary simulated opening day of the new children's emergency service on both staff knowledge of workplace practises and flows for children presenting to the service and staff confidence regarding the proposed workplace change. It will use quantitative and qualitative analysis of data from an identical pre- and post-intervention survey. These will be administered to all levels and disciplines of staff involved in the exercise. Surveys will collect quantitative data examining staff knowledge of specific workplace practices ranging from how particular patient groups will access subspecialty referral, where particular equipment will be stored and where particular procedures will occur in the department to how the resuscitation team processes will occur. It will also collect quantitative data about staff confidence regarding the workplace changes and how the educational intervention may have affected this.

Provision of a new paediatric service: an investigation of staff's perceptions and experience of the transition from an adult emergency department

^αAlison Peeler, ^αPaul Fulbrook, ^βFran Kinnear

This research studies the opening of a separate paediatric emergency department at TPCH from the viewpoint of the staff directly affected. It is using quantitative and qualitative analysis of data from a combination of surveys and interviews. These will examine readiness, progress and effects (real and perceived) of the change process at different stages i.e. before, during and after. The surveys are being administered widely to staff affected involving different levels and different disciplines. The interviews are being conducted with a more limited number of staff representatives of the different groups. The information obtained may help guide the process and should also be of use in planning future similar changes here and elsewhere.

Review of patient-directed information in pulmonary arterial hypertension

^βPaula Ve, ^αPaul Fulbrook

Pulmonary arterial hypertension is a chronic, progressive disease for which there is no known cure. Based at TPCH, the Queensland Centre for Pulmonary Transplantation and Vascular Disease manages the care of over 200 patients with this condition. The current assessment process involves a three-day in-patient admission where the patient undergoes rigorous testing to confirm their diagnosis. Once testing is complete and the diagnosis is confirmed, the patient is informed. This is often a stressful and emotional time particularly given the gravity of the diagnosis. Patients are given both verbal and visual information; the provision of accurate and timely information regarding diagnosis and treatment is important to assist patients in the self management of their illness. The aim of this project is to gain an understanding of what information patients require when they are newly diagnosed, when the information should be given, and in what format it should be provided.

Development of a comfort zone for distressed people with mental health problems

^αSandra Hyde, ^αPaul Fulbrook

Evidence from outside Australia indicates that alternative strategies to restraint and seclusion can be used with equal, if not better, success. One strategy is the 'comfort' room. Comfort, 'chill out' or 'getaway' rooms⁶ are used in a variety of mental health settings as a therapeutic measure to provide a comforting environment for distressed mentally ill people. The aim of this study is to collect data from multi-disciplinary staff and current and past clients about the proposed comfort zone. The objectives are to: develop a nurse-led process for planned access to the comfort zone; dDevelop a client-led process to 'self-admit' to the comfort zone; identify and describe the documentation required to support use of the comfort zone; and identify and describe the educational content, materials, methods, and support required prior to implementation of the comfort zone.

^αNRPDC ^βTPCH

New Research Projects

Application of 0.2% glyceryl trinitrate ointment for the healing of chronic venous leg ulcers

^αRoger Lord, ^βDamian Williams, ^αSandra Miles, ^αPaul Fulbrook, ^βEwan Kinnear, ^βJeffrey Rowland

A small study by Roger Lord and colleagues showed that glyceryl trinitrate, the active ingredient in rectogesic ointment, increased production of nitric oxide in venous leg ulcers. This resulted in vasodilation and immune system activation at the wound site, helping to clear bacterial load and promote wound closure. This new study will recruit a larger sample to reach statistical significance. Consenting patients with venous leg ulceration, confirmed with the use of transdermal oxygen sensors, will be randomly allocated to a control (usual treatment) or experiment (application of 0.2% glycerol trinitrate) group. Planimetry will be used for baseline measurements of ulcer size and to ascertain healing rates at weekly visits over four to six weeks, to monitor whether treatment is having an effect.

Adhesive silicone foam dressing versus meshed silicone interface dressing for the management of skin tears: a comparison of healing rates, and patients' and nurses' satisfaction

^βDamian Williams, ^αPaul Fulbrook

Point prevalence audits within TPCH between 2009 and 2011 have yielded skin tear prevalence results between 5.38% and 12.59% and 95% of skin tears were on patients over the age of 65. The main goal of this study is to compare two standard dressings in terms of their skin tear healing times. Secondary goals are to assess nurses' satisfaction with the dressings (fit for purpose) and patients' satisfaction (comfort et cetera). This will also enable a cost-benefit comparison to be made.

Publications

Peer Reviewed Publications

Langley G, Schmollgruber S, ^αFulbrook P, Albarran JW, Latour J (2012 in press). South African critical care nurses' views on end-of-life decision-making and practices. *Nursing in Critical Care*.

^αLawrence P, ^αFulbrook P (2012 in press). The effect of feedback on ventilator care bundle compliance: a before and after study. *Nursing in Critical Care*.

^αFulbrook P, ^βLeisfield T, ^βWiggins K (2012 in press). Children's conceptions of their parent's lung transplant. *Journal of Child Health Care*.

Kearney L, ^αFulbrook P. (2012). Open access community child health clinics: the everyday experience of parents and child health nurses. *Journal of Child Health Care* 16(1): 5-14.

Williams G, Bost N, Chaboyer W, ^αFulbrook P, Alberto L, Thorsteinsdottir R, Schmollgruber S, Chan D. (2012). Critical Care Nursing Organizations: a third worldwide review. *International Nursing Review* 59(1): 73-80.

^αFulbrook P, Albarran J, Baktoft B, Sidebottom B (2012). A survey of European intensive care nurses' knowledge levels. *International Journal of Nursing Studies* 49(2), 191-200.

^αNRPDC ^βTPCH

^βBoyle C, ^βPost G, ^βMasel P, ^αFulbrook P, ^βClark K (2011). Interdisciplinary education and treatment adherence. *International Journal of Person-Centred Medicine* 1(3), 606-611.

^αLawrence P, ^αFulbrook P (2011). The ventilator care bundle and its impact on ventilator-associated pneumonia: a review of the evidence. *Nursing in Critical Care* 16(5), 222-234.

Edmunds J, ^αMiles S, ^αFulbrook P. (2011). Tongue tie and breastfeeding: a review of the literature. *Breastfeeding Review* 19(1), 19-26.

^βRoosen K, ^αFulbrook P, ^βNowicki T (2010). Pressure injury prevention: continence, skin hygiene and nutrition management. *Australian Nursing Journal* 18(2), 31-34.

Allanson A, ^αFulbrook P (2010). Preparation of nurses for novice entry to perioperative practice: evaluation of a short education program. *The Journal of Perioperative Nursing in Australia* 23(2), 14-27.

^βNowicki T, ^αFulbrook P, ^βBurns C (2010). Bed safety off the rails. *Australian Nursing Journal* 18(1), 31-34.

^aFulbrook P, Latour J, Albarran J, Graaf de W, Lynch F, Devictor D, Norekval T (2010). Die Anwesenheit von Angehörigen während der kardiopulmonalen Reanimation [The presence of family members during cardiopulmonary resuscitation]. *Intensivpflege/Intensivmedizin [Journal for Intensive Care Nursing and Anaesthesia]* 18(1), 38-40.

Published Abstracts (peer-reviewed)

Conway A, Rolley J, ^aFulbrook P, Page K. (2012). Australian and New Zealand Nurses' Perceptions of Procedural Sedation and Analgesia in the Cardiac Catheterisation Laboratory: A Qualitative Study. *Heart, Lung and Circulation*, 21, S6.

Peters R, ^βPodger M, ^aFulbrook P. (2012). Developing Standards for Specialist Heart Failure Nurses: A Delphi Study. *Heart, Lung and Circulation*, 21, S284-S285.

Conway A, Rolley J, Page K, ^aFulbrook P. (2012). Respiratory Monitoring Practices During Procedural Sedation and Analgesia in the Cardiac Catheterisation Laboratory Could be Improved by Using Capnography to Assess Ventilation. *Heart, Lung and Circulation*, 21, S287-S288.

^aLawrence P, ^aFulbrook P (2012). The effect of feedback on compliance with the ventilator care bundle. *Connect: The World of Critical Care Nursing* 9(1), 15.

^aFulbrook P, ^aLawrence P, Fischer J, Watt K, ^aHyde S (2012). The incidence of mental health disorders and alcohol risk comorbidity in an Australian emergency department. *Connect: The World of Critical Care Nursing* 9(1), 15.

^βMasel P, ^βBoyle C, ^βPost G, ^aFulbrook P, ^βClark K (2011). Tackling non-adherent patients: a treatment adherence training program for clinicians. *Respirology* 16 (Suppl. 1), 85.

^βLeisfield T, ^βWiggins K, ^aFulbrook P (2010). Children's conceptions of their parent's lung transplant. *Respirology* 15 (Suppl. 1), A12.

^βLeisfield T, ^βWiggins K, ^aFulbrook P. (2010). Children's conceptions of their parent's lung transplant. *The Journal of Heart and Lung Transplantation* 29 (2), Suppl. S126.

^aFulbrook P, Albarran J, Baktoft B, Sidebottom B. (2010). Europe—Levels of intensive care nurses' knowledge survey (E-links). *Australian Critical Care* 23 (1), 33-34.

Conway A, Smith C, ^aFulbrook P. (2010). Becoming a practice development unit. *Australian Critical Care* 23 (1), 39-40.

Journal Articles in Preparation

Conway A, Rolley JX, ^aFulbrook P, Page K (under review). Issues and challenges associated with nurse-administered procedural sedation and analgesia in the cardiac catheterisation laboratory: A qualitative study. *Journal of Clinical Nursing*.

Conway AW, Rolley JX, ^aFulbrook P, Page K, Thompson DR (under review). Inappropriate statistical analysis of matched case-control studies in the nursing literature. *Nursing Research*.

Conway AW, Rolley JX, ^aFulbrook P, Page K (under review). Risk factors for impaired respiratory function during nurse-administered procedural sedation and analgesia in the cardiac catheterisation laboratory: A case-control study. *European Journal of Cardiovascular Nursing*.

McKellar S, ^aFulbrook P. Compliance with lipid lowering medication at one year follow-up.

^aFulbrook P, ^aLawrence P. Prevalence of mental health disorders in an Australian general emergency department.

^aFulbrook P, ^aLawrence P, Watt K. Validation of the Paddington Alcohol Test in an Australian general emergency department.

^aLawrence P, ^aFulbrook P. Screening for mental health: a comparison of the K10 and DASS21.

Kearney L, ^aFulbrook P. Open access community child health surveillance clinics: A prospective cohort study of parents with infants aged 0-18 months.

^aMiles S, ^aFulbrook P, Nowicki T, Franks C, Cutler D. Ten years of pressure injury point prevalence data at The Prince Charles Hospital: decreasing prevalence with educational and quality activities.

^aFoottit J, Austin W, ^aFulbrook P. Use of ECT for severe behaviour concerns in people with late stage dementia.

Hohn R, ^aFulbrook P. Transition to end of life in the age care setting: identifying the changes.

^aPeeler A, ^aFulbrook P, Kildea S. Parents' and nurses' experiences of headbox and high flow nasal prong oxygen therapy.

Anderson A, ^aFulbrook P. Systematic review of interventions to reduce pressure injury in immobile critically ill patients.

Conference Presentations

International

^αLawrence P, ^αFulbrook P (2012). The effect of feedback on compliance with the ventilator care bundle. World Federation of Critical Care Nurses and Croatian Nurses Society of Anesthesia, Reanimation, Intensive Care and Transfusion. Sibenik, Croatia. 12-15 April 2012.

^αFulbrook P, ^αLawrence P, Fischer J, Watt K, ^αHyde S (2012). The incidence of mental health disorders and alcohol risk comorbidity in an Australian emergency department. World Federation of Critical Care Nurses and Croatian Nurses Society of Anesthesia, Reanimation, Intensive Care and Transfusion. Sibenik, Croatia. 12-15 April 2012.

^αFulbrook P (2011). Europe – levels of intensive care nurses' knowledge survey (E-LINKS). European federation of Critical Care Nursing Associations and Danish Society of Anesthesia and Critical Care Nurses Spring Congress. Tivoli Congress Center. Copenhagen, Denmark, 24-26 March 2011.

Edmunds J, ^αFulbrook P (2011). Understanding the experiences of mothers who are breastfeeding an infant with tongue-tie. ILCA Conference and Annual Meeting, Raising the Bar Enhancing Practices and Improving Health Outcomes. San Diego, California, USA. 13-17 July 2011.

^αPeeler A, ^αFulbrook P, Kildea S (2011). A qualitative investigation of parents' and nurses' experiences of high flow nasal prong oxygen therapy. 6th World Congress on Pediatric Critical Care. Sydney Convention and Exhibition Centre, Darling Harbour, Sydney, Australia. 13-17 March 2011.

^βGettens S, ^αFulbrook P (2010). Falls Prevention: Keep It Simple (poster). 4th Australian and New Zealand Falls Prevention Society Conference. Dunedin, New Zealand. 21-23 November 2010.

^αFulbrook P, Albarran J, Baktoft B, Sidebottom B (2010). The E-LINKS study – relevance for Finnish critical care nurses. Syyskoulutuspaivat 2010. (Critical care Conference). Kokouristeily Helsinki-Tukholma, Helsinki, Finland. 4-6 November 2010.

^αFulbrook P, Smith C (2010). The practice development unit – improving care for patients. ANZICS/ACCN Intensive Care ASM. Melbourne Convention and Exhibition Centre. Melbourne, Australia. 14-16 October 2010.

^αFulbrook P, ^βLeisfield T, ^βWiggins K (2010). Children's conceptions of their parent's lung transplant. 8th International Qualitative Research Conference. Bournemouth UK. 6-8 September 2010.

^βLeisfield TM, ^βWiggins K, ^αFulbrook P (2010). children's conceptions of their parent's lung transplant (poster). International Society for Heart and Lung Transplantation 30th Anniversary Meeting and Scientific Sessions. Chicago, USA. 21-24 April 2010.

^βLeisfield TM, ^βWiggins K, ^αFulbrook P (2010). Children's conceptions of their parent's lung transplant. Thoracic Society of Australia and New Zealand Annual Scientific Meeting, Brisbane Convention & Exhibition Centre, Brisbane, Australia 20-24 March 2010. **Winner best oral paper.

National

^αLawrence P, ^αFulbrook P, Fischer J (2012). A complex issue: emergency department patients with alcohol and mental health co-morbidity; screening for those who may be amenable to brief interventions. 2012 Drug and Alcohol Nurses of Australasia (DANA) Conference: In the Age of Complexity. Melbourne, 13-15 June 2012.

Conway A, Rolley JX, Page K, ^αFulbrook P (2012). Respiratory monitoring practices during procedural sedation and analgesia in the cardiac catheterisation lab could be enhanced by using capnography to assess ventilation. Australasian Cardiovascular Nursing College Annual Scientific Meeting.

^αFulbrook P, Watt K, ^αHyde S, Fischer J, ^αLawrence P (2011). Not drowning, waving: the incidence of low level mental health disorders, risky alcohol consumption and its co-morbidity in emergency department attendees. Swimming between the Flags? Australian College of Mental Health Nurses 37th International Mental Health Nursing Conference. Marriott Resort, Gold Coast. 4-7 October 2011.

^αFulbrook P, Watt K, ^αHyde S, Fischer J, ^αLawrence P (2011). The incidence of low level mental health disorders, risky alcohol consumption and its co-morbidity in emergency department attendees. Passionate About Practice Conference, Queensland Health. Brisbane Convention and Exhibition Centre, Qld. 8-9 August 2011.

Hohn R, ^αFulbrook P, McDonald T (2010). Transition to end of life in the aged care setting: identifying the changes. 3rd Biennial Palliative Care Nurses Australia Conference, Brisbane Convention and Exhibition Centre, 27-28 August 2010.

^βLi A, ^αFulbrook P, ^βBell S, (2009). Journey to parenthood: experiences of adults with cystic fibrosis. 8th Australasian Cystic fibrosis Conference. Sofitel Brisbane Hotel, Brisbane.

Research Grants

Skin integrity: a survey of Metro North nurses' knowledge.

McDonough K, ^βFranks C, Roe J, Holland M, ^αFulbrook P, Thompson P, ^βCutler D, ^αLawrence P. Queensland Health: \$30,000.

The relationship between emotional and physical health improvements and workforce retention in nursing, midwifery and paramedicine.

Glass N, Ogle K, ^αFulbrook P, Rice V, Webb H, Randle J. ACU Research Support Team. ACU internal competitive grant: \$29,327.

Development of a comfort zone for distressed people with mental health problems.

^αHyde S, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$9,654.

A qualitative investigation into Indigenous people's perceptions of the value and impact of a rural/remote Indigenous cardiac outreach program.

^αFulbrook P, White N, ^βMbuzi V, ^βTibby D, ^βCorpus R, ^αLawrence P. The Prince Charles Hospital Foundation: \$33,765.

Community-based chronic obstructive pulmonary disease: motivating chronically hypoxic clients to improve oxygen compliance.

^βYang I, ^αFulbrook P, ^βHughes P, Serginson J, ^βMassey M, Vasil J. Queensland Health: \$50,000.

Fear of falling: is it associated with falls and does it increase hospital length of stay?

^βGettens S, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$9,493.

Assessment of levels of anxiety and distress, and alcohol consumption and their co-relationships in a hospital emergency department.

^αLawrence P, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$9,855.

Journey to parenthood: the experience of adults with cystic fibrosis.

^βLi A, ^βBell S, ^αFulbrook P. Queensland Health – Health Practitioner Research Scheme: \$5,000.

Losing a parent: a new phenomenon for adults with cystic fibrosis.

^βMoore V, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$8,930.

Information needs of patients newly diagnosed with pulmonary arterial hypertension.

^βQuantrill P, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$9,965.

Early mobilisation of patients following ST-elevation myocardial infarction and successful treatment: a pilot study.

Martin S, ^αFulbrook P (mentor). The Prince Charles Hospital Foundation: \$9,722.

Awards and Achievements

NRPDC Personnel

Paul Fulbrook

- Australian Catholic University's best researcher in the Nursing Field of Research based on publications (weighted) for Excellence in Research Australia 2010.
- In October 2011, Paul was appointed National President of the Australian College of Critical Care Nurses.

Sandra Hyde

- Sandra was presented with a Certificate of Appreciation at the TPCCH 2011 International Nurses Day celebration, in recognition of her excellent contribution to mental health nursing research.

Petra Lawrence

- Petra was awarded Honours with Distinction by ACU, for her research study investigating the effect of feedback on compliance with the ventilator care bundle.
- The Bright Star award for research was awarded to Petra at the TPCCH 2012 International Nurses Day celebration, in recognition of her excellent progress as a nurse researcher.

NRPDC Associate Researchers

Trish Leisfield

- Trish was presented with a Certificate of Appreciation at the TPCCH 2011 International Nurses Day celebration, in recognition of her excellent research into children's experiences of a parent's lung transplant.
- Trish also received the award for the best oral paper presented at Thoracic Society of Australia and New Zealand Annual Scientific Meeting, Brisbane Convention & Exhibition Centre, 20-24 March 2010. Leisfield TM, Wiggins K, Fulbrook P (2010). Children's Conceptions of Their Parent's Lung Transplant.

Alissa Anderson

- The Novella Star award for a novice researcher was awarded to Alison at the TPCCH 2012 International Nurses Day celebration, in recognition of her emerging role as a researcher.

Esteem Indicators

Editorship

Paul Fulbrook

- Connect: The World of Critical Care Nursing

Editorial boards

Paul Fulbrook

- Nursing in Critical Care
- Journal of Nursing Management

Journal referee

Paul Fulbrook

- Australian Critical Care
- International Journal of Nursing Studies
- International Journal of Mental Health Nursing
- Journal of Clinical Nursing
- Nursing in Critical Care

Sandra Miles

- Australian Critical Care

Research indices

Paul Fulbrook

- 2012 H-Index: 15
- 2012 i10-Index: 21
- 2012 Egghe's G-index: 25

Professional roles and affiliations

Paul Fulbrook

- National President, Australian College of Critical Care Nurses
- Queensland State President, Australian College of Critical Care Nurses
- Honorary Fellow, European Federation of Critical Care Nursing Associations
- NHMRC, 2012 Postdoctoral Reference Group member
- Member, Department of Health and Ageing Nursing and Midwifery Stakeholder Reference Group

Sandra Miles

- Member, Australian College of Children and Young People's Nurses
- Academic Branch Vice President, National Tertiary Education Union

Petra Lawrence

- Member, Drug and Alcohol Nurses Australasia
- Nurse Leader, Honor Society of Nursing, Sigma Theta Tau International
- Member, Shared Governance Clinical Effectiveness Council TPCCH

Jenneke Foottit

- Member, Australian Association of Gerontology

Keith Skelton

- Member, Australian Wound Care Association (Queensland Branch)
- Member, Australian College of Nursing

Vainess Mbuzi

- Member, Australian College of Critical Care Nurses
- Member, Renal Society of Australasia

Stephanie Gettens

- Member, Australia New Zealand Falls Prevention Society
- Member, Falls Injury Prevention Collaborative

Aaron Conway

- Member, Australasian Cardiovascular Nursing College
- Member, American Heart Association
- Member, Australian College of Nursing
- Affiliate member, Cardiac Society of Australia and New Zealand
- Nurse Leader, Honor Society of Nursing, Sigma Theta Tau International

Other Contributions to Research

Paul Fulbrook

- NHMRC, 2012 Centre for Research Excellence Panel member
- The Prince Charles Hospital Research Council. Inaugural Council member 2009 to date
- The Prince Charles Hospital Research Ethics Committee member 2008 to date
- Intensive Care Coordination and Monitoring Unit, NSW. Senior academic, Systematic review of pressure injury prevention and management in intensive care

Alissa Anderson

- Intensive Care Coordination and Monitoring Unit, NSW. Team member, Systematic review of pressure injury prevention and management in intensive care

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