

# Centre for Quality and Patient Safety Research

Annual Report 2017







# About QPS

We improve the quality and safety of patient care through applied health services research conducted in a well-established, distinctive and internationally renowned integrated health service partnership network.

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# Director's foreword

## Maxine Duke



It is with a sense of pride that I introduce the *Centre for Quality and Patient Safety Research Annual Report 2017*.

The research outlined in this report demonstrates our continued commitment to high-quality applied health services research, which improves the quality and safety of patient care. Our unique integrated health-service partnership network, *Deakin Partners in Nursing and Midwifery Research*, is internationally recognised as a vehicle that successfully generates and supports nurses to conduct important research in the areas of patient experience, patient safety and workforce development. This network remains a major Centre for Quality and Patient Safety Research strength; providing rapid access to a clinical point of care in health services.

Our researchers bring a broad range of methodological, policy and clinical skills to ensure the effective translation of evidence-based best practice. Compiling this report has provided an opportunity to reflect on their internationally-regarded profiles and their practice-changing research activities.

The Centre for Quality and Patient Safety Research continues to support its members to conduct high-quality research. In 2017, we committed to the further development of our early and mid-career researchers to enhance their competitiveness to attract external research funding. Some examples of the strategies used in 2017 included the seeding grant initiative to pilot innovative proof-of-concept projects and support for research to be published in high-impact online journals. We have also seen indications of our success, with a member awarded the highly competitive Alfred Deakin Postdoctoral Research Fellowship for the second year in a row.

This report provides an overview of the key projects and accomplishments of research staff, and the industry partners with whom they work. I trust that you will find the *Centre for Quality and Patient Safety Research Annual Report 2017* informative and that it will enable you to appreciate the commitment of our researchers and partners to supporting quality research.

**Alfred Deakin Professor Maxine Duke**

Director, Centre for Quality and Patient Safety Research

# Centre for Quality and Patient Safety Research at a glance



32

QPS members



164

Publications



29

Research projects  
in progress



16

Invited keynote  
presentations



7

PhD completions



4

Visiting academics

# Centre for Quality and Patient Safety Research External Advisory Board

The Centre for Quality and Patient Safety Research (QPS) External Advisory Board provides strategic advice to the Centre for Quality and Patient Safety Research Executive Committee on achieving the centre's mission and performance targets. Board membership is comprised of all members of the QPS Executive Committee and external representatives with experience and expertise in:

- health services or patient safety research
- research funding opportunities
- government and stakeholder relations
- non-government organisations
- research institutes
- international research
- health consumer patient safety issues.

Members are appointed on the basis of their individual experience and expertise; they are not appointed as representatives of the organisation(s) with which they are employed or involved. Ms Susan Wardle and Dr Cathy Balding resigned from the board during 2017. In November 2017, Professor Belinda Moyes, Strategic Adviser, National Health Workforce Reform, Department of Health and Human Services, Victoria accepted an invitation to join the board.

The Centre for Quality and Patient Safety Research External Advisory Board consisted of the following external members in 2017 (in addition to the QPS Executive Committee).



**Honorary Professor  
David Phillips (Chair)**

Assistant Director, National Health and Medical Research Council



**Professor Edward Janus**

Head of Unit, General Medicine, University of Melbourne and Director, Office for Research, Western Health



**Associate Professor  
Peter Lowthian**

Executive Director, Clinical Governance and Institute, Cabrini Health



**Ms Rebecca Bartel**

Executive Lead, Institute for Healthcare Transformation, Deakin University



**Ms Jill Linklater**

Health Disability and Ageing Accreditation Surveyor, Management Systems Auditor



**Doctor Olga Hogan**

Senior Commercial Manager, Health, Deakin Research Innovations, Deakin University



**Ms Belinda Moyes**

Strategic Adviser, National Health Workforce Reform, Department of Health and Human Services, Victoria

# Centre for Quality and Patient Safety Research Staff



**Alfred Deakin Professor  
Maxine Duke**

Director, Centre for Quality and Patient Safety Research

Chair in Nursing Development

Centre for Quality and Patient Safety Research Executive Committee Chair



**Professor Alison Hutchinson**

Deputy Director, Centre for Quality and Patient Safety Research

Chair in Nursing, Monash Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



**Alfred Deakin Professor  
Mari Botti AM**

Chair in Nursing, Epworth HealthCare Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



**Alfred Deakin Professor  
Tracey Bucknall**

Chair in Nursing, Alfred Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



**Professor Julie Considine**

Chair in Nursing, Eastern Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



**Professor Trisha Dunning AM**

Chair in Nursing, Barwon Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



**Professor Trish Livingston**

Associate Dean, Research

Centre for Quality and Patient Safety Research Executive Committee Member



**Professor Elizabeth Manias**

Higher Degree Research Coordinator

Centre for Quality and Patient Safety Research Executive Committee Member



**Professor Nikki Phillips**

Deputy Head of School, Nursing and Midwifery

Director of Undergraduate Studies



**Professor Bodil Rasmussen**

Chair in Nursing, Western Health Partnership

Centre for Quality and Patient Safety Research Executive Committee Member



# Centre for Quality and Patient Safety Research Staff



**Professor Judy Currey**

Director, Active Learning,  
Deakin Learning Futures



**Professor Andrea Driscoll**

Heart Foundation Future Leader Fellow



**Associate Professor  
Helen Forbes**

Associate Head of School,  
Teaching and Learning



**Associate Professor  
Ana Hutchinson**

Eastern Health Partnership



**Associate Professor  
Debra Kerr**

Lecturer in Nursing



**Associate Professor  
Lauren McTier**

Director of Clinical Studies



**Associate Professor  
Cate Nagle**

Western Health Partnership



**Associate Professor  
Pat Nicholson**

Perioperative Course Director



**Associate Professor  
Bernice Redley**

Honours Coordinator  
Monash Health Partnership



**Associate Professor  
Rochelle Wynne**

Lecturer in Nursing





**Doctor Melissa Bloomer**

Postgraduate Coordinator



**Doctor Stephane Bouchoucha**

Lecturer in Nursing



**Doctor Lisa Kuhn**

Eastern Health Partnership



**Doctor Grainne Lowe**

Lecturer in Nursing



**Doctor Helen Rawson**

Monash Health Partnership



**Doctor Philip Russo**

Alfred Health Partnership



**Doctor Maryann Street**

Eastern Health Partnership



**Doctor Emily Tomlinson**

Lecturer in Nursing



**Doctor Anna Ugalde**

Senior Research Fellow



**Doctor Pauline Wong**

Lecturer in Nursing



**Professor Peter Martin**

Director, Centre for Organisational  
Change in Person-Centred Healthcare

Affiliate Member



**Doctor Mohammadreza Mohebbi**

Senior Research Fellow Biostatistics

Affiliate Member

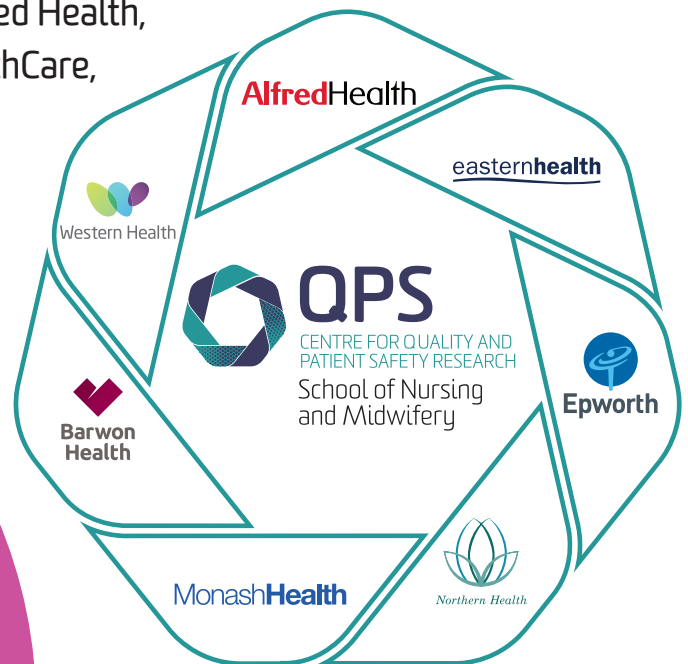
# Deakin Partners in Nursing and Midwifery Research Network

The Centre for Quality and Patient Safety Research (QPS) was established in 2009 to conduct high-quality health services research. The centre integrates the School of Nursing and Midwifery's long-standing public and private health service partnerships, Deakin Partners in Nursing and Midwifery Research, with one of Australia's largest schools of nursing and midwifery. The Deakin University School of Nursing and Midwifery pioneered the first academic-industry relationship in 1996. Today, QPS researchers are embedded within six major Victorian health services: Alfred Health, Barwon Health, Eastern Health, Epworth HealthCare, Monash Health and Western Health.

The QPS health service partners:

- encompass 29 acute and subacute care hospitals and 11 residential aged care facilities
- employ approximately 30,000 nurses and midwives
- provide care for in excess of three million Victorians annually.

The three QPS research pillars: patient safety, patient experience and workforce development – span residential, community, subacute and acute care settings.



# Partnerships

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH

### Alfred Health Partnership



**Alfred**Health



#### Janet Weir-Phyland

- Executive Director, Nursing Services and Chief Nursing Officer, Alfred Health
- Adjunct Professor, School of Nursing and Midwifery, Deakin University



#### Tracey Bucknall

- Chair in Nursing, Alfred Health Partnership
- Alfred Deakin Professor, School of Nursing and Midwifery, Deakin University

The QPS partnership with Alfred Health provides clinical research opportunities for nurses across a variety of acute and specialty healthcare settings. The collaboration provides a unique opportunity for nurses seeking clinically focused research training. It also supports clinicians seeking experience in multidisciplinary research projects in critical care, acute care and specialty healthcare contexts.

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH

### Barwon Health Partnership



#### Lucy Cuddihy

- Chief Nursing and Midwifery Officer, Barwon Health
- Adjunct Professor, School of Nursing and Midwifery, Deakin University



#### Trisha Dunning AM

- Chair in Nursing, Barwon Health Partnership
- Professor, School of Nursing and Midwifery, Deakin University

The QPS partnership with Barwon Health enables academic staff to collaborate with clinical colleagues. Multidisciplinary teams work together to plan and implement research, which is relevant to the current healthcare environment. Barwon Health's regional and rural location provides the opportunity for collaborative research to be undertaken with QPS School of Nursing and Midwifery partners in metropolitan and rural locations.



# Partnerships

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH Eastern Health Partnership



**easternhealth**



**Kath Riddell**

- Chief Nursing and Midwifery Officer, Eastern Health
- Clinical Associate Professor, School of Nursing and Midwifery, Deakin University



**Julie Considine**

- Chair in Nursing, Eastern Health Partnership
- Professor, School of Nursing and Midwifery, Deakin University

The QPS partnership with Eastern Health drives research to improve patient safety outcomes and patient experience of health care. The partnership between Eastern Health and Deakin University commenced in 1999 and the research spans acute, subacute, community and residential care settings. The Eastern Health Partnership's work informs strategic directions for clinical practice, education, research and healthcare policy development.

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH Epworth HealthCare Partnership



**Sharon Donovan**

- Executive Director of Clinical Services, Epworth HealthCare
- Adjunct Professor, Epworth HealthCare



**Mari Botti AM**

- Chair in Nursing, Epworth HealthCare Partnership
- Alfred Deakin Professor, School of Nursing and Midwifery, Deakin University

The QPS Epworth HealthCare Partnership specialises in developing and implementing evidence for nursing practice to enhance quality and safety in the delivery of health care. In particular, our research program is currently evaluating the effect different models of nursing care delivery have on health outcomes, medication quality and safety issues, and the impact of emerging technologies on patients and carers.

# Partnerships

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH Monash Health Partnership



MonashHealth



**Cheyne Chalmers**

- Chief Nursing and Midwifery Officer, Monash Health
- Adjunct Professor, School of Nursing and Midwifery, Deakin University



**Alison Hutchinson**

- Chair in Nursing, Monash Health Partnership
- Professor, School of Nursing and Midwifery, Deakin University

The QPS partnership with Monash Health promotes the nexus between research, education and practice. The themes of knowledge translation, person-centred care, decision making, patient safety and risk management underpin the research conducted. The partnership also provides a unique opportunity for nurses seeking clinically focused research training or clinicians seeking experience in multidisciplinary research projects in critical care, acute care, and specialty healthcare contexts.

## CENTRE FOR QUALITY AND PATIENT SAFETY RESEARCH Western Health Partnership



**Shane Crowe**

- Executive Director, Nursing and Midwifery, Western Health
- Clinical Associate Professor, School of Nursing and Midwifery, Deakin University



**Bodil Rasmussen**

- Chair in Nursing, Western Health Partnership
- Professor, School of Nursing and Midwifery, Deakin University

The QPS Western Health Partnership provides academic and professional leadership to clinical and academic health staff. The partnership fosters a rich diversity of activities in health services research, with the aim to build capacity and enhance the research culture at Western Health. The research benefits patients and their families, staff, students and academics.

# Innovative research

The Centre for Quality and Patient Safety Research is uniquely positioned within academic and healthcare environments to identify and rapidly respond to emerging complex care and patient safety issues. The centre's research programs are organised into the following focus areas: Patient Experience, Patient Safety and Health Workforce. The three research pillars have been generated by the needs of the QPS health service partners.

## Centre for Quality and Patient Safety Research pillars



### Patient Experience

Research focuses on patients' and family members' experiences of health services to understand people's perspectives and the processes of care delivery – under the broad domain of health service evaluation. Patient experience research is central to quality health care, alongside clinical effectiveness and safety.



### Patient Safety

Research focuses on patient safety and minimising harm as part of improving the safety and quality of health care. Patient safety research has important implications for healthcare policy and practice across diverse settings, including acute, subacute, aged and community care, and consumer and health professional education.



### Health Workforce

Research focuses on developing and evaluating innovations to improve the capacity, responsiveness and productivity of the health workforce. Health workforce research examines the effective use of technologies – such as telehealth – to provide improved quality of care. Research is conducted in partnership with the health sector to evaluate these initiatives.





The Centre for Quality and Patient Safety Research projects are undertaken in a variety of ways:

- within a single health service partnership
- across multiple health service partnerships
- interdisciplinary projects
- international projects
- student-led projects
- systematic reviews.

Research programs may be located within a single research pillar or encompass two or more pillars.

# Research undertaken within a single health service partnership



## Having conversations with older people with diabetes and their families about palliative and end-of-life care

Diabetes is a life-limiting condition. Initiating palliative care early and planning for end-of-life reduces suffering, hospital admissions and improves the quality of life. The aims of this study were to: (1) undertake a targeted literature review to identify diabetes-related factors that reduce life expectancy; and (2) develop and evaluate a suite of information to help older people with diabetes, their families and clinicians start conversations about palliative and end-of-life care. The study involved two phases:

- Development Phase – a general literature review to identify the evidence to underpin the content of the information and a targeted literature review.
- Evaluation Phase – data were collected in focus groups, interviews and using written/email feedback from older people with diabetes, their families and clinicians.

Four international experts independently assessed the information. The study was guided by an advisory group of older people with diabetes and an expert clinician advisory group. In total, 69 people responded: 35 clinicians, 30 older people with diabetes and four family members.

Older people with diabetes and their families liked the 'respectful language', big font, the design, colours and pictures. They found the health information 'easy to understand' and 'approved' of using the words death, dying and died. Many clinicians found these words 'hard and confrontational,' especially clinicians who rarely encounter death. Engaging key stakeholders ensured that the suite of information met content, usability, and readability criteria and that it conformed to the Well Written Information criteria and AGREE II.

## Reducing harm for people displaying symptoms associated with a neurocognitive disorder

People experiencing behavioural and psychological symptoms (BPS) related to neurocognitive disorders (for example, dementia, delirium) are at high risk of preventable harm during hospitalisation. Tailored and individualised interventions can help reduce symptoms and prevent harm; however, implementation in inpatient settings is rarely consistent with best practice recommendations.

The researchers, nurses and a consumer co-developed, implemented and evaluated a knowledge translation strategy to promote the uptake of best practice recommendations. The strategy comprised facilitation, education and an app-based decision support tool. Findings suggested the strategy was acceptable, usable and feasible to assist nurses with clinical decision making to address patients' BPS in hospital settings. This study was funded by the Dementia Centre for Research Collaboration as part of an Australian Government initiative.

## An innovative online self-management intervention for Victorian young adults with type 1 diabetes: Guided Self-Determination program

Current educational interventions to assist with the self-management of type 1 diabetes are not successful in those who have lost their motivation for self-management. The Guided Self-Determination (GSD) program addresses complex diabetes self-management issues by initiating conversations designed to guide both clients and diabetes educators through mutual reflections.

This study aimed to trial an online interactive version of a self-management program for young adults with type 1 diabetes. The study involved:

1. Developing an online prototype of the GSD method.
2. Training workshops for diabetes educators.
3. Trialling the GSD online program.

Nine credentialed diabetes educators and ten young adults participated in the study. Online delivery, access, use of technology and responses were thematically analysed using qualitative analysis methods. The online version of GSD was found to be a suitable, convenient and advantageous way to engage with this population.





# Research undertaken across health service partnerships

## Characteristics and outcomes of emergency interhospital transfers from subacute to acute care for clinical deterioration

This study compared the characteristics and outcomes of 603 patients transferred from subacute to acute care from August 2015 to October 2016 to 1160 control patients who were not transferred. The study involved 21 wards from eight subacute care hospitals and five Victorian health services.

The factors associated with increased risk of emergency interhospital transfer from subacute to acute care hospitals (after adjusting for age and health service) were:

- serious adverse events during subacute care admission
- vital sign assessments  $\geq 3$ -times per day during last 24 hours in acute care
- serious adverse events during the first acute care admission
- $\geq 4$ -hourly vital sign assessments in subacute care during the 24-hours prior to transfer
- birth in a non-English speaking country
- lower functional independence measure score on subacute care admission.

Serious adverse events were cardiac arrest team call, rapid response team call or unplanned intensive care unit admissions.

## PRONTO – patient safety and workforce development

The Prioritising Responses of Nurses to Deteriorating Patient Observations (PRONTO) study focused on identifying at-risk patients in the first hours, to minutes, before critical life-threatening events.

Despite evidence for the benefit of early recognition and management of deteriorating patients, a gap exists between the evidence and practice. A randomised control trial was undertaken in 36 wards across four Victorian hospitals to test a strategy to improve nurses' clinical decision making and uptake of clinical practice guidelines for identifying and managing deteriorating patients. Data collection was completed in February 2018.

This National Health and Medical Research Council Partnership-funded study involved researchers from: Deakin's Centre for Quality and Patient Safety Research; the University of Adelaide; Australian National University; Bangor University (UK); and the University of Ottawa, Canada. The partner organisations were: Alfred Health; Monash Health; Eastern Health – Victoria; the Australian Commission on Safety and Quality in Health Care; and South Australia Health.



## Questioning skills of clinical facilitators supporting undergraduate nursing students

Thinking critically is integral to decision making and to providing safe, high-quality patient care. This multisite study conducted across five partner health services investigated the questioning skills of 133 clinical facilitators. The facilitators (clinical teachers, educators and preceptors) completed an online survey, which included acute care patient scenarios involving an undergraduate nursing student.

The majority of questions asked by the facilitators were knowledge questions, the lowest category in the cognitive domain, requiring only simple recall of information. Those who had undertaken an education-related course or formal qualification asked significantly more questions from the higher cognitive level. Clinical facilitators need targeted education focusing on how to frame questions that demand application, analysis, synthesis and evaluation.

## Physical, social, psychological and cultural factors influencing breastfeeding intention, initiation and duration among women with type 1 and type 2 diabetes living in Victoria

Despite exclusive breastfeeding being an important component of optimising neonatal outcomes among infants of mothers with diabetes, few studies have examined the facilitators and barriers of breastfeeding for these women. The aim of this study was to investigate the factors associated with breastfeeding to three months postpartum among women with type 1 or type 2 diabetes.

A prospective cohort of women was surveyed during pregnancy (n=79) and at three months postpartum (n=47). The most important factor predicting breastfeeding at three months postpartum was intention to breastfeed. Primary care and early pregnancy provide valuable opportunities for health professionals to educate and support women with diabetes regarding their breastfeeding intentions.

This research was supported by Nurses Board Victoria, Australasian Diabetes in Pregnancy, and the Centre for Quality and Patient Safety Research, Deakin University.

## Patient and carer support apps

With an ageing population, there is expected to be an exponential increase in the number of people diagnosed with cancer and living with the disease. Patients experience significant levels of psychological distress and unmet needs during cancer treatment. It is well established that information provision and support is essential to high-quality care and results in psychosocial benefits to people diagnosed with cancer.

The aim of this randomised controlled trial was to determine the potential impact of a smartphone application on reducing unmet needs and distress during treatment for cancer. Overall, 82 patients were recruited from Barwon Health, Epworth HealthCare and Eastern Health. Participants had access to the app over a four-month period. The trial is now complete and the process of data analysis is underway. The main outcomes are due for publication in December 2018.



Cancer treatment app for patients



## Interdisciplinary research

### Development and validation of screening tools for medicine-related problems at patient presentation and after discharge from the emergency department

The aim of this project was to develop two screening tools for use at emergency department (ED) presentation and at ED discharge, to identify patients at greatest risk for medication-related problems. A prospective, observational, multi-centre study of nine EDs was undertaken in three Australian states. Overall, 904 patients were recruited.

The characteristics predicting medication-related problems at presentation were:

- medication-related ED presentations
- taking >8 regular medications
- age ≥80 years
- missing medication doses
- seeing a specialist in the past six months
- concession or pension cardholders
- self-reported medication allergies and sensitivities.

The characteristics associated with medication-related problems at discharge were:

- prescription of a complex medication
- missing medication doses
- male gender.

## Doctoral student-led research

### MyStay

MyStay is a multimedia, clinician-facilitated module designed to enhance patient participation by delivering information that is explicit, actionable, non-ambiguous and tailored specifically to the goals of care following a particular surgery. Its clinical use is intended to encourage and focus daily interactions between patients and clinicians to achieve patient participation in recovery.

The MyStay team successfully developed and tested the Total Knee Replacement MyStay module at Epworth HealthCare and are developing a series of MyStay modules for surgical procedures that are associated with complex recovery involving multidisciplinary clinicians. This kind of complex recovery often has multidimensional components including: pain and wound management, prevention of complications and, physical therapy where patient participation in recovery can be beneficial.



# International research

## De-implementation in healthcare services: what works, for whom, why, and under which contexts? A realist synthesis

In health care, scientific approaches to boost the implementation of research and evidence-based practice are focused on improving the effectiveness and quality of services. However, managers and organisations equally require support about processes for stopping practices that are no longer evidence based, but have become embedded (and fixed), have at best marginal or no gain, and at worst, are harmful.

The aim of this realist synthesis was to produce both useful theory and practical guidance for policy makers, managers and clinicians, to help them with de-implementation processes and procedures.





# Systematic reviews

## Organisational interventions designed to reduce caesarean section rates

Evidence indicates that primary and subsequent caesarean sections are associated with maternal and perinatal morbidity. Internationally, urgent calls have been made to reduce the rates of unnecessary caesarean sections. Organisational interventions, such as maternity service models of care, have been implemented to help reduce caesarean section rates.

Professor Alison Hutchinson is leading an international team of investigators undertaking a systematic review of published research evidence on the effectiveness of maternity service organisational interventions, which aim to reduce caesarean section rates. The review is due for completion in 2018.



# Research involving learning strategies

## Understanding the health literacy of patients diagnosed with heart failure

Health literacy is defined as the ability to access, understand and use information to manage health. The aim of this study was to understand the health literacy of individuals and to determine health literacy priorities from a patient and heart failure nurse perspective.

Using the health literacy questionnaire (HLQ), data were collected from a sample of 60 patients attending two Melbourne-based heart failure outpatient services. Short vignettes were written to represent different health literacy profiles and discussed in workshops with heart failure nurses from each service. The mean age of participants was 69.0 ( $\pm 15.0$ ) years, and 28.3% were female.

Lower HLQ scores were seen for scales relating to information provision; namely, having sufficient information to manage health, and finding and appraising information. Lower HLQ scores were also seen for navigating health services and for actively managing health. Six vignettes were written, representing the range of health literacy profiles evident in the sample. In workshops with 15 heart failure nurses, locally-relevant solutions to identified health literacy needs were generated. A multidimensional assessment of heart failure patients' health literacy needs can inform the development of tailored interventions that may improve self-management in this cohort of patients known for their poor adherence to treatment.

## Student perceptions of team-based learning on professional attributes

The researchers explored postgraduate specialist critical care nurses' perceptions of team-based learning, as an active learning strategy, on the acquisition of professional attributes defined by Deakin University's Graduate Learning Outcomes.

Survey responses showed that students ranked critical thinking highest, followed by problem solving, teamwork and communication as a consequence of team-based learning class participation. Analysis of self-reflections revealed that students perceived they had acquired self-management, communication and teamwork skills through team-based learning. These key professional attributes are highly desired by employers and individuals alike. Further research to measure the application of these skills in the workplace is required.



# Seeding grant initiative

The Centre for Quality and Patient Safety Research is committed to the development of early carer and mid-career research development. The centre commenced a seeding grant initiative in 2016 to facilitate early career and mid-career researchers to continue the development of their research programs. Funds were awarded to senior researchers to assist them to obtain pilot data or test concepts that would lead to Category 1 grant applications. Early career researchers who received funding were mentored by senior researchers to ensure that their projects were of a high quality. Six seeding grants were awarded in 2016 and another four seeding grants in 2017. All projects will be finalised by the end of 2018.

Funding round	Project team	Project title
2016–2018	<b>Dr Stephane Bouchoucha</b> , Prof. Alison Hutchinson, <b>Alfred Deakin</b> Prof. Tracey Bucknall, Dr Philip Russo	<i>Patient participation in infection prevention and control: a systematic review</i>
2016–2018	<b>Dr Melissa Bloomer</b> , Prof. Alison Hutchinson, <b>Alfred Deakin</b> Prof. Mari Botti, A/Prof. Peter Poon, Dr Jakqui Barnfield, Dr Fiona Runacres	<i>Understanding end-of-life care in the subacute setting</i>
2016–2018	<b>Prof. Elizabeth Manias</b> , Dr Simone Taylor, Prof. David Taylor, Mr Andrew Harding, <b>Dr Emily Tomlinson</b>	<i>Development and validation of screening tools for medicine-related problems at patient presentation and after discharge from the emergency department</i>
2016–2018	<b>Prof. Elizabeth Manias</b> , <b>Alfred Deakin</b> Prof. Mari Botti, <b>Dr Maryann Street</b> , <b>Dr Grainne Lowe</b> , A/Prof. Robyn Woodward-Kron, Dr Kathleen Gray	<i>Managing medications through electronic systems: a clinical audit</i>
2016–2018	<b>Dr Lauren McTier</b> , Prof. Nikki Phillips, A/Prof. Helen Forbes, <b>Alfred Deakin</b> Prof. Maxine Duke	<i>Best practice approaches to facilitate student learning in the clinical setting</i>
2016–2018	A/Prof. Pat Nicholson, Prof. Elizabeth Manias, Dr Snezana Kusljic, Prof. Bernhard Riedel, Dr Jason Chou, Ms Janelle Penno, <b>Dr Mohammadreza Mobebbi</b>	<i>Medication safety in the perioperative period. The impact of perioperative factors on chronic medication compliance and consequent prevalence of postoperative complications</i>
2017–2018	A/Prof Rochelle Wynne, Dr Lauren McTier, Prof. Andrea Driscoll, A/Prof. Debra Kerr, <b>Alfred Deakin</b> Prof. Mari Botti	<i>Readmission after cardiac surgery</i>
2017–2018	<b>Dr Pauline Wong</b> , A/Prof. Bernice Redley, <b>Alfred Deakin</b> Prof. Tracey Bucknall	<i>Perspectives of family participation in patient care in adult ICU</i>
2017–2018	<b>Dr Philip Russo</b> , Prof. Allen Cheng, <b>Alfred Deakin</b> Prof. Tracey Bucknall	<i>Consumer knowledge and attitudes of public reporting of healthcare associated infection data</i>
2017–2018	<b>Dr Anna Ugalde</b> , Prof. Trish Livingston	<i>Different models, patient perspectives and expert opinion in wellness centres in oncology settings</i>

QPS members highlighted in bold.

# Projects and grants

Project title and team	Project category	Funder
<b><i>Communicating with older people across transition points of care</i></b> <b>Prof. Elizabeth Manias, Alfred Deakin Prof. Tracey Bucknall, A/Prof. Robyn Woodward-Kron, A/Prof. Christine Jorm, Prof. Carmel Hughes</b>	CAT1-A1	ARC – Discovery Projects
<b><i>Listen to me, I really am sick! Understanding patient and family perspectives in triggering responses to medical emergencies</i></b> <b>Alfred Deakin Prof. Tracey Bucknall, Prof. Alison Hutchinson</b>	CAT1-A1	ARC – Linkage Projects Round 1
<b><i>ARC Research Hub for Digital Enhanced Living</i></b> Prof. Kon Mouzakis, Prof. Svetha Venkatesh, Prof. Anthony Maeder, <b>Prof. Alison Hutchinson</b> , Prof. Michael Berk, Prof. Ralph Maddison, Prof. Abbas Kouzani, Prof. Rajesh Vasa, Prof. Rafael Calvo, Prof. Helen Christensen, Prof. Patricia Williams, A/Prof. Dinh Phung, Prof. John Yearwood, Prof. Susan Gordon, Prof. David Powers, Prof. Nilmini Wickramasinghe, A/Prof. Niranjana Bidargaddi, Dr Santu Rana, Dr Truyen Tran, Dr Sunil Gupta, Dr Wei Luo, Dr Mohamed Abdelrazek, Dr Felix Tan, Prof. Henning Langberg, A/Prof. Lars Kayser, A/Prof. Finn Kensing, Prof. Freimut Bodendorf, Prof. John Hansen, Prof. James Warren, Dr Roopak Sinha, Prof. Alan Smeaton, Mr Ian Aitken, Mr Fonda Voukelatos, Mr Jeffrey Fiebig, Mr Christopher Farguhar, Mr John Fouyaxis, Mr John Grundy, Mr Kevin Hoon, Mr Kit Huckvale, Mr David Varley, Mr Leonard Hoon, Ms Nicole Cockayne	CAT1-A1	ARC – Industrial Transformation Research Hubs
<b><i>M-health: efficacy and cost-effectiveness of a smartphone app to reduce unmet needs and distress in people with cancer (ACE): a randomised controlled trial</i></b> <b>Prof. Trish Livingston</b> , Prof. David Ashley, Prof. Suzanne Chambers, A/Prof. Victoria White, Dr Jacqui Chirgwin, A/Prof. Meinir Krishnasamy, Dr Cathy Mihalopoulos, <b>Alfred Deakin Prof. Mari Botti</b> , A/Prof. Liliana Orellana	CAT1-A1	NHMRC – Partnership Project
<b><i>Prioritising Responses of Nurses to Deteriorating Patient Observations (PRONTO)</i></b> <b>Alfred Deakin Prof. Tracey Bucknall, Prof. Alison Hutchinson</b> , Prof. Gillian Harvey, <b>Prof. Julie Considine</b> , Prof. Imogen Mitchell, Prof. Jo Rycroft-Malone, Prof. Ian Graham, Dr Mohammadreza Mohebbi, A/Prof. Jennifer Watts	CAT1-A1	NHMRC – Partnership Project
<b><i>T3 Trial: Triage, Treatment and Transfer of patients with stroke in emergency departments</i></b> Prof. Sandy Middleton, Prof. Christopher Levi, A/Prof. Mark Fitzgerald, <b>Prof. Julie Considine</b> , Prof. Jeremy Grimshaw, Prof. Catherine D'este, Prof. Richard Gerraty, A/Prof. Ngai Cheung, Dr Dominique Cadillac, Dr Elspeth McInnes	CAT1-A1	NHMRC – Project Grant (Not Deakin University led)
<b><i>Improving the mental health of people living with cancer using an online mindfulness program: a randomised controlled trial</i></b> <b>Prof. Trish Livingston</b> , Prof. Vicki White, A/Prof. Liliana Orellana, <b>Alfred Deakin Prof. Mari Botti</b> , Dr Michael Jefford, Prof. John Grundy, Prof. Cathy Mihalopoulos, A/Prof. David Austin, <b>Dr Anna Ugalde</b>	CAT1-A1	NHMRC – Partnership Project
<b><i>Burden and disparities in heart failure: THE GAP project</i></b> <b>Prof. Andrea Driscoll</b>	CAT1-A2	Future Leader Fellowship – National Heart Foundation of Australia

## Project categories:

CAT 1 – Australian competitive grants

CAT 3 – Industry and other research income

CAT 2 – Other public sector research income

CAT 8 – Research income not recordable



# Projects and grants

Project title and team	Project category	Funder
<b>Development and validation of the FAST tool</b> <b>Prof. Andrea Driscoll</b> , Prof. Andrew Tonkin, Prof. Louise Cullen, Prof. Nancy Albert	CAT1-A2	Vanguard Grant – National Heart Foundation of Australia
<b>Improving clinician and older people with diabetes' communication and decisions about integrating palliative and end-of-life care into usual diabetes care</b> <b>Prof. Trisha Dunning</b> , A/Prof. Peter Martin, Dr Sally Savage, A/Prof. Neil Orford, A/Prof. Liliana Orellana	CAT1-A2	Research Grant – Diabetes Australia – Victoria (Research Trust)
<b>Physical, social, psychological and cultural factors influencing breastfeeding intention, initiation and duration among women living with type 1 and type 2 diabetes (T1DM &amp; T2DM) in Victoria.</b> <b>Prof. Bodil Rasmussen</b> , Dr Alison Nankervis, Prof. Helen Skouteris, Mrs Cheryl Steele, Mrs Catharine McNamara, <b>A/Prof. Catherine Nagle</b>	CAT2-B2	Nurses Board of Victoria Grant – Ella Lowe Research Grants
<b>Development of midwife standards for practice</b> <b>A/Prof. Catherine Nagle</b> , Dr Maureen Miles, Prof. Susan McDonald, Dr Jane Morrow, Dr Gina Kruger, Ms Rhian Kramer, Prof. Melanie Birks, Ms Julianne Byrce, Dr Marie Heartfield	CAT2-B2	Australian Health Practitioner Regulation Agency
<b>Exploring the diversity in models of care of Victorian nurse practitioners</b> <b>Dr Grainne Lowe</b> , <b>Prof. Andrea Driscoll</b>	CAT2-B2	Department of Health and Human Services – Victoria
<b>The development of guidelines for adolescents and young adults with chronic kidney disease transitioning to adult care</b> A/Prof. Allison Williams, <b>Prof. Elizabeth Manias</b> , Dr Jac Kee Low, Dr Kimberley Crawford	CAT2-B2	Department of Health and Human Services – Victoria (Not Deakin University led)
<b>Super pharmacies initiative – tender evaluation nursing services</b> <b>A/Prof. Bernice Redley</b>	CAT2-B2	Department of Health and Human Services – Victoria
<b>Identifying predictors of functioning in people with advanced cancer and their caregivers in rural and regional communities: a prospective, longitudinal study</b> <b>Dr Anna Ugalde</b> , <b>Prof. Trish Livingston</b> , Prof. David Ashley, A/Prof. Meinir Krishnasamy, Dr Anna Boltong, Dr Penelope Schofield, Prof. Suzanne Chambers, Prof. Sanchia Aranda	CAT2-B2	Victorian Cancer Agency Early Career Seed Grants
<b>Health Economic Evaluation of the Partnered Pharmacy Medication Charting Program</b> A/Prof. Andrew Dalton, <b>Prof. Elizabeth Manias</b> , Dr Kevin McNamara, <b>Dr Mohammadreza Mohebbi</b> , Ms Elena Gospodarevskaya	CAT2-B2	Department of Health and Human Services – Victoria
<b>A review of the arrangements for centralised national coordination of Australia's surveillance, analysis and reporting of antimicrobial usage and resistance</b> <b>Dr Philip Russo</b> , Prof. Allen Cheng, Dr Heath Kelly, A/Prof. Leon Worth (Awarded 2017)	CAT2-B3	Department of Health – Commonwealth (Not Deakin University led)

## Project categories:

CAT 1 – Australian competitive grants

CAT 3 – Industry and other research income

CAT 2 – Other public sector research income

CAT 8 – Research income not recordable

Project title and team	Project category	Funder
<b>An investigation into nursing students' knowledge, attitudes towards and practice of standard precautions</b> <b>Dr Stephane Bouchoucha, A/Prof. Ana Hutchinson, Prof. Nikki Phillips</b> (Awarded 2017)	CAT3-C2	Medtronic Australasia Pty Ltd
<b>Community engagement and participation in aged care service provision</b> <b>Dr Helen Rawson, Ms Wendy Quinn</b> (Awarded 2017)	CAT3-C3	Uniting AgeWell
<b>Cancer Care Coordinators Project</b> Ms Kerry Haynes, <b>Dr Anna Ugalde, Prof. Trish Livingston</b>	CAT3-C3	Cancer Council Victoria
<b>Supporting patient activation through multimedia – the MyStay project</b> <b>Alfred Deakin Prof. Mari Botti, A/Prof. Ana Hutchinson, Dr Jo McDonall, Mr Richard de Steiger</b> (Awarded 2017)	CAT3-C3	Equity Trustees – The Baker Foundation
<b>Establishing the prevalence of healthcare associated infections in Australian hospitals</b> <b>Dr Philip Russo, Prof. Brett Mitchell, Prof. Allen Cheng, Dr Andrew Stewardson, Alfred Deakin Prof. Tracey Bucknall</b> (Awarded 2017)	CAT3-C3	The Rosemary Norman Foundation
<b>Media representation of antimicrobial resistance: risk and benefits to public understanding and preparedness for a 'new dark age' of superbugs</b> <b>Dr Stephane Bouchoucha, Prof. Megan-Jane Johnstone</b>	CAT3-C3	Australasian College for Infection Prevention and Control – Early Career Research Grant
<b>De-implementation in health and care services: what works, for whom, why, and in which contexts? A realist synthesis</b> Prof. Christopher Burton, Prof. Justin Waring, Prof. John Anthony Parkinson, Dr Beth Hall, Mrs Denise Fisher, <b>Alfred Deakin Prof. Tracey Bucknall</b> , Prof. Mathew Keith Makin, Mrs Gill Harris, Miss Rachel Meacock, Dr Anne McBride	CAT3-C4	National Institutes of Health (Not Deakin University led)
<b>Is restricting freedom and mobility acceptable?</b> Dr Terry Haines, Prof. Chris Todd, <b>Prof. Alison Hutchinson</b>	CAT8-1	Manchester Academic Health Sciences Centre and Monash Partners Launch Fund (Not Deakin University led)
<b>The cancer app delivery improvement (CANDID) study: a randomised controlled trial</b> <b>Dr Anna Ugalde, Prof. Trish Livingston</b>	CAT8-2	Deakin University – Alfred Deakin Postdoctoral Research Fellowship
<b>Best practice in end-of-life care in acute hospitals: mapping and evaluation in public and private settings</b> <b>Dr Melissa Bloomer, Alfred Deakin Prof. Mari Botti</b>	CAT8-2	Deakin University – Alfred Deakin Postdoctoral Research Fellowship
<b>Connecting healthcare infection prevention processes and outcomes. Exploring the relationship between evidence-based process measures and healthcare associated infection rates</b> <b>Dr Philip Russo, Alfred Deakin Prof. Tracey Bucknall</b>	CAT8-2	Deakin University – Alfred Deakin Postdoctoral Research Fellowship

**Project categories:**

CAT 1 – Australian competitive grants

CAT 3 – Industry and other research income

CAT 2 – Other public sector research income

CAT 8 – Research income not recordable

# International visitors



## Professor Hu Yan

Professor Hu Yan is Dean in the School of Nursing, Fudan University China and Director of Fudan University's Center of Evidence-based Nursing. Her current research focus is on supportive care and the quality of life of breast cancer survivors, and symptom management for HIV/AIDS patients using an evidence-based nursing approach. Professor Yan presented at the School of Nursing and Midwifery and the Centre for Quality and Patient Safety Research Combined Research Forum *Promoting evidence-based nursing practice in China* in February.



## Professor Laura Serrant

Laura Serrant is Professor of Nursing in the Faculty of Health and Wellbeing at Sheffield Hallam University in England. Her research focuses on the health needs of marginalised and 'seldom heard' communities (ethnic diversity, gender diversity and older people). Professor Serrant presented at the School of Nursing and Midwifery and the Centre for Quality and Patient Safety Research Combined Research Forum *Hearing the silences: using an inclusive framework for exploring marginalised perspectives in health* in October.



## PhD Candidate Cecilie Lindström Egholm

Cecilie is MScPH and PhD student at the Danish Knowledge Centre for Rehabilitation and Palliative Care, University of Southern Denmark. Her main interests are quality improvement and implementation research, and the current PhD project sets focus on the implementation of clinical quality registries for improving the quality of cardiac rehabilitation. Ms Egholm presented at the Centre for Quality and Patient Safety Research Forum in October *Danish clinical quality registries – what are they and how do they incorporate the use of patient reported outcome measures to achieve the best possible care?*



## Associate Professor Janet E. Squires

Dr Squires is Associate Professor in the School of Nursing, Faculty of Health Sciences, the University of Ottawa, Canada. Dr Squires' research focuses on improving knowledge translation by healthcare professionals through the design, implementation, and evaluation of theory-informed or context-optimised interventions aimed to improve healthcare professionals' use of specific research findings in the clinical practice setting. Dr Squires presented at the Centre for Quality and Patient Safety Research Forum *Reducing low-value practices in cancer care* in October.

# Media activity

## Professor Alison Hutchinson

- Bastian, D. (2017, 6 September) Sandwich generation focus of free courses on caring for family, Aged Care Insite. Retrieved from <[https://www.agedcareinsite.com.au/2017/09/sandwich-generation-focus-of-free-courses-on-caring-for-family/?utm\\_medium=email&utm\\_campaign=ACI+BN+Email+-+06+Sep+2017&utm\\_content=agedcareinsite.com.au%2F2017%2F09%2Fsandwich-generation-focus-of-free-courses-on-caring-for-family%2F&utm\\_source=apneducationalmedia.writemsg.com](https://www.agedcareinsite.com.au/2017/09/sandwich-generation-focus-of-free-courses-on-caring-for-family/?utm_medium=email&utm_campaign=ACI+BN+Email+-+06+Sep+2017&utm_content=agedcareinsite.com.au%2F2017%2F09%2Fsandwich-generation-focus-of-free-courses-on-caring-for-family%2F&utm_source=apneducationalmedia.writemsg.com)>.
- O'Neill, D. (Presenter). (2017, 5 September). *Deakin's free short course offered through FutureLearn that is designed for the 'sandwich generation'*. 774 ABC Radio Melbourne Breakfast [Radio interview].
- Snashall-Woodhams, E. (2017, 4 September). *Deakin to skill up sandwich generation to care for young and elderly* [Press release]. Retrieved from <<http://www.deakin.edu.au/about-deakin/media-releases/articles/deakin-to-skill-up-sandwich-generation-to-care-for-young-and-elderly>>.
- Tchilinguirian, L. (Presenter). (2017, 5 September). *Deakin's free short course offered through FutureLearn that is designed for the 'sandwich generation'*. ABC Radio Canberra [Radio interview].

## Dr Lisa Kuhn

- Ghidella, S., and McDonald, B. (Newsreaders). (2017, 21 March). Symptoms of heart attack are different for men and women [Television broadcast]. *7 News Brisbane*.
- Gilding, K. (Newsreader). (2017, 21 March). A new study has shown that women who suffer heart attacks are more likely to die [Television broadcast]. *7 News at 4pm, Brisbane*.
- Mitchell, P. (Newsreader). (2017, 21 March). Women at risk of heart attack [Television broadcast]. *7 News Melbourne*.
- Palmer, J. (Newsreader). (2017, 21 March). Women are being warned that their heart attack symptoms are different [Television broadcast]. *Southern Cross Nightly News, Hobart*.
- Sanders, A. (Newsreader). (2017, 21 March). Melbourne researchers have found women who suffer heart attacks have greater delays to treatment [Television broadcast]. *7 News at 4pm, Melbourne*.
- Stevenson, R., and Burns, R. (Presenters). (2017, 21 March). Handling heart attacks mean greater risk of dying [Radio interview]. *3AW Breakfast*.

## Associate Professor Bernice Redley

- Nacarella, L., Sheahan, M., Redley, B. (2017, 23 June). Building Better Healthcare. *Improving staff communication through emergency room design*. Retrieved from <[https://www.buildingbetterhealthcare.co.uk/news/article\\_page/Improving\\_staff\\_communication\\_through\\_emergency\\_room\\_design/130569](https://www.buildingbetterhealthcare.co.uk/news/article_page/Improving_staff_communication_through_emergency_room_design/130569)>.
- (2017). Reducing medical errors, *The Health Advocate* 43, 14–15. Retrieved from <[http://ahha.asn.au/system/files/docs/publications/aug2017\\_tha\\_web.pdf](http://ahha.asn.au/system/files/docs/publications/aug2017_tha_web.pdf)>.
- Nacarella, L., Redley, B. (2017, 25 May). Making space for Emergency Talk. Pursuit, Retrieved from <[https://pursuit.unimelb.edu.au/articles/making-space-for-emergency-talk?utm\\_source=facebook.com&utm\\_medium=social&utm\\_content=story](https://pursuit.unimelb.edu.au/articles/making-space-for-emergency-talk?utm_source=facebook.com&utm_medium=social&utm_content=story)>.

## Dr Philip Russo

- Snashall-Woodhams, E. (2017, 24 July). *Deakin to undertake national hospital infection audit* [Press release]. Retrieved from <<http://www.deakin.edu.au/about-deakin/media-releases/articles/deakin-to-undertake-national-hospital-infection-audit>>.
- Tippet, H. (2017, 25 July). Geelong-led infection survey to prevent spread of superbugs. *Geelong Advertiser*. Retrieved from <<https://www.geelongadvertiser.com.au/news/geelong/geelongled-infection-survey-to-prevent-spread-of-superbugs/news-story/1d3e10fed810a99cdc9496129559927b>>.
- (2017, 23 August). Superbug Survey of Australia's Hospitals, *Australian Nursing and Midwifery Journal*, 25(3) 5. Retrieved from <[https://issuu.com/australiannursingfederation/docs/anmj\\_september\\_17\\_book\\_issuu/7](https://issuu.com/australiannursingfederation/docs/anmj_september_17_book_issuu/7)>.
- (2017, July 25). Survey will squash bugs, *Herald Sun*.

Image courtesy 7 News





# Awards, prizes and achievements

**Ms Jacqui Allen** was awarded a Faculty Research Development Grant and a Monash Health-Deakin Postdoctoral Fellowship.

**Professor Tracey Bucknall** was awarded the title of Alfred Deakin Professor.

**Alfred Deakin Professor Tracey Bucknall** joined the Board of Royal Freemasons as a Non-Executive Director.

**Professor Trisha Dunning AM** was listed as 'Educator of the Year' in the International Top 100 Publication, Top 100 Women of 2017.

**Professor Trisha Dunning AM** was inducted into the 2017 Sigma Theta Tau International Nurse Researcher Hall of Fame.

**Professor Alison Hutchinson** was appointed Non-Executive Board Director for Uniting AgeWell and Chair of their Clinical Governance Committee.

**Professor Alison Hutchinson** was appointed to the Cabrini Institute Council.

**Dr Lenore Ley** was awarded a Faculty of Health HDR Publication Award.

**International applicant Dr Jac Kee Low** was awarded a Faculty of Health Postdoctoral Research Fellowship.

**PhD Student Lisa-Jane Moody** was awarded a Faculty of Health Higher Degree by Research Publication Award.

**Dr Philip Russo** was awarded an Alfred Deakin Postdoctoral Research Fellowship for a period of two years to commence in 2018.

**Dr Ana Ugalde** was part of a team that was awarded a HATCH grant commencing 2018.

## Alfred Deakin Award Ceremony

(Pictured from left) Chancellor Mr John Stanhope, Alfred Deakin Professor Tracey Bucknall, Professor David Watters, Vice Chancellor Jane den Hollander AO.



# Invited keynote presentations

## Alfred Deakin Professor Mari Botti AM

*Postoperative pain management: analgesics, algorithms and patient activation.* Victorian Perioperative Nurses Group 60th Anniversary 2017 State Conference, Melbourne, Australia, August 2017.

## Alfred Deakin Professor Tracey Bucknall

*Clinical decision making.* DASYS Forskningsråd Conference, Aarhus, Denmark, October 2017.

*Process evaluations in clinical trials: checking the dose is delivered.* Australian and New Zealand Intensive Care Society Clinical Trials Group Meeting Noosa, Queensland, March 2017.

*Translating research into practice: optimising results uptake.* Australian and New Zealand Intensive Care Society Clinical Trials Group Meeting Noosa, Queensland, March 2017.

## Professor Julie Considine

*Why we do what we do: evidence and basic life support.* New Zealand Association of Emergency Care Training Providers Inc. Pre-Hospital Emergency Care Conference, Brentwood Hotel Wellington, New Zealand, November 2017.

*Cervical spine immobilisation: where are we at?* New Zealand Association of Emergency Care Training Providers Inc. Pre-Hospital Emergency Care Conference, Brentwood Hotel Wellington, New Zealand, November 2017.

Currey J, Youngson M, Considine J. *Should family be present during clinical deterioration?* Australian and New Zealand Intensive Care Society Safety and Quality Conference: The Deteriorating Patient, Sofitel Sydney Wentworth, Sydney, August 2017.

Considine J, Berry D, Johnson R, Sands N. *Vital signs as predictors for aggression in hospital patients (VAPA).* Australian and New Zealand Intensive Care Society Safety and Quality Conference: The Deteriorating Patient, Sofitel Sydney Wentworth, Sydney, August 2017.

Considine J. *Predicting early ward deterioration.* Australian and New Zealand Intensive Care Society Safety and Quality Conference: The Deteriorating Patient, Sofitel Sydney Wentworth, Sydney, August 2017.

Considine J. *Role of nurses in patient safety diagnoses and mitigation of diagnostic error.* 1st Australasian Diagnostic Error in Medicine Conference, Pullman Hotel, Albert Park Melbourne, May 2017.

## Professor Andrea Driscoll

*Nurse-led clinics are they effective?* Invited speaker at Rush University, Chicago, November 2017.

## Professor Trisha Dunning AM

*Clinical care of older people with type 1 diabetes.* American Diabetes Association 77th Scientific Sessions, San Diego USA, 9–13 June 2017.

*Older people: who are they and what do they need?* 5th World Congress Geriatrics and Gerontology, Fukuoka, Japan, 4–6 December 2017.

## Dr Maryann Street

Street M. *Discharge decision making to detect clinical deterioration: outcomes from the PACT study.* University of Agder 10 Year Anniversary Research Seminar, Norway, September 2017.

## Professor Bodil Rasmussen

*Diabetes education: why it's so crucial to care.* Workshop presentation: 'Barriers and strategies for counselling the adolescent with diabetes'. Facilitation of workshop: 'Diabetes education review of 6 posters', Second Qatar International Endocrinology Conference, Qatar, 30 November to 3 December 2017.

*The role of diabetes education in the management of diabetes.* Workshop and oral presentation: 'Psychological and motivational aspects of diabetes education'. Malaysian Diabetes Educators Society Conference, Malaysia, 7–9 April 2017.

# PhD completions

The Centre for Quality and Patient Safety Research congratulates the following seven students who completed their PhDs during 2017.



## Dr Jacqui Allen

### Improving older people's experience in transition care: co-design of the TRANSITION tool

Transitioning from hospital to home is challenging for many older people living with chronic health conditions. This PhD study addressed this problem using an experience-based co-design with mixed methods data collection. Phase (1) involved semi-structured interviews with n=26 patients and carers, and n=47 multidisciplinary healthcare practitioners; and a patient file audit n=20. Phase (2) involved three co-design focus groups with one patient, one carer and five healthcare practitioners. The TRANSITION tool was developed to support care integration, using the research findings. The TRANSITION tool is an acronym and memory prompt that can be used by practitioners in acute care and also by patients and carers to initiate discussions and assessments about transitional care needs.

Dr Jacqui Allen at her graduation ceremony (right). Pictured with her supervisors Professor Alison Hutchinson (left) and Associate Professor Rhonda Brown (middle).



## Dr Lenore Ley

### Functional decline of hospitalised older patients: quality of 24-hour care

Functional decline is a considerable complication of hospitalisation and acute illness associated with failing health and poor outcomes for older patients. This institutional case study answered the question: to what extent nursing care optimises the functional status of older patients? It also identified the barriers and enablers to balance activity and rest to minimise functional decline. Findings demonstrated high vulnerability to functional decline in older patients (89.5%, n=480). Over half the representative sub-sample functionally declined from preadmission to discharge (53.3%, n=37). Care lacked emphasis on the unique vulnerabilities of elders and there was a lack of coordination of 24-hour functional care.

Dr Lenore Ley at her graduation ceremony.



## Dr Joanne McDonall

### Patient participation in postoperative care activities: improving the patient experience

The purpose of this research program was to test the effectiveness of a bedside, multimedia, nurse-facilitated intervention (MyStay) in improving patient outcomes after surgery. The intervention was designed to increase the capability and opportunity for patients to participate in achieving their goals of recovery in the immediate postoperative period after surgery. This study was designed as a cluster randomised, crossover trial with an embedded detailed process evaluation. The findings provide evidence that MyStay enhanced patient participation in their care. This enhanced participation resulted in improved patient outcomes. The findings contribute to our evolving understanding of patient participation and provide a tool and framework for implementing and evaluating interventions to promote patient participation in recovery after surgery.

Dr Joanne McDonall (right) with her supervisor, Alfred Deakin Professor Mari Botti AM (left).



## Dr Lisa-Jane Moody

### The prevalence and impact of hearing impairment in acute care

This thesis reports the prevalence and impact of hearing impairment on hospitalised adults aged over 50 years, half of whom had a bilateral hearing impairment of a degree likely to adversely affect communication. Prevalence and severity of hearing impairment were significantly higher for aged matched adults in the Australian population than previously reported levels. Patient stories highlighted systemic quality and safety risks for people with a hearing impairment in acute care. The findings have significant implications for public health policy, highlighting the importance of identifying hearing impairment in hospitalised adults to improve both the quality and safety of care and the patient experience.

Dr Lisa-Jane Moody at her graduation ceremony (left) with one of her supervisors Dr Sally Savage (right).



## Dr Ngoc Bich Van Nguyen

### Measuring nurse educator confidence in clinical teaching competence

A Clinical Nurse Educator Skill Acquisition Assessment tool was developed, validated and used to measure role confidence and the factors associated with confidence development. The results of this multi-phase, multi-setting study indicate perceived confidence in clinical teaching to be at moderately high and high levels. Recruitment, institutional preparation methods, qualification, role experience and educator–student ratio significantly affected perceptions of confidence. Facilitators of confidence development were preparatory workshops, simultaneous practice, pedagogical courses, postgraduate qualification and years of experience in clinical teaching (from 5 to 20 years).

Dr Ngoc Bich Van Nguyen at her graduation ceremony.



## Dr Kinga Pemo

### Exploration of breastfeeding promotion and practices in Bhutan

This study explored Bhutanese women's knowledge, perceptions, intentions, experience and practice related to exclusive breastfeeding. It was also designed to explore health professionals' knowledge, support for and promotion of breastfeeding. A qualitative exploratory descriptive research design was used. Childbearing women were interviewed twice (at term and six weeks following birth); health professionals were interviewed once. Factors such as a lack of breastfeeding information and support during pregnancy and following birth, led to women having a limited understanding of the true meaning of exclusive breastfeeding. They turned to family and friends for breastfeeding advice, information and support, and they adopted cultural and traditional practices. Midwives reported a lack of ongoing professional development about breastfeeding, which hindered them from promoting and supporting breastfeeding in women.

Dr Kinga Pemo at her graduation ceremony, Waterfront Campus Geelong.



## Dr Lin Cen

### Patient participation in symptom management in acute cancer care in China

This study was an exploration of patient participation in symptom management from the perspective of patients and clinicians within a Chinese acute cancer care context. Synergies between patients' and clinicians' perceptions and experience of patient participation in symptom management were identified. The findings advance our understanding of the enablers and barriers to patient participation and indicated future interventions to be investigated.

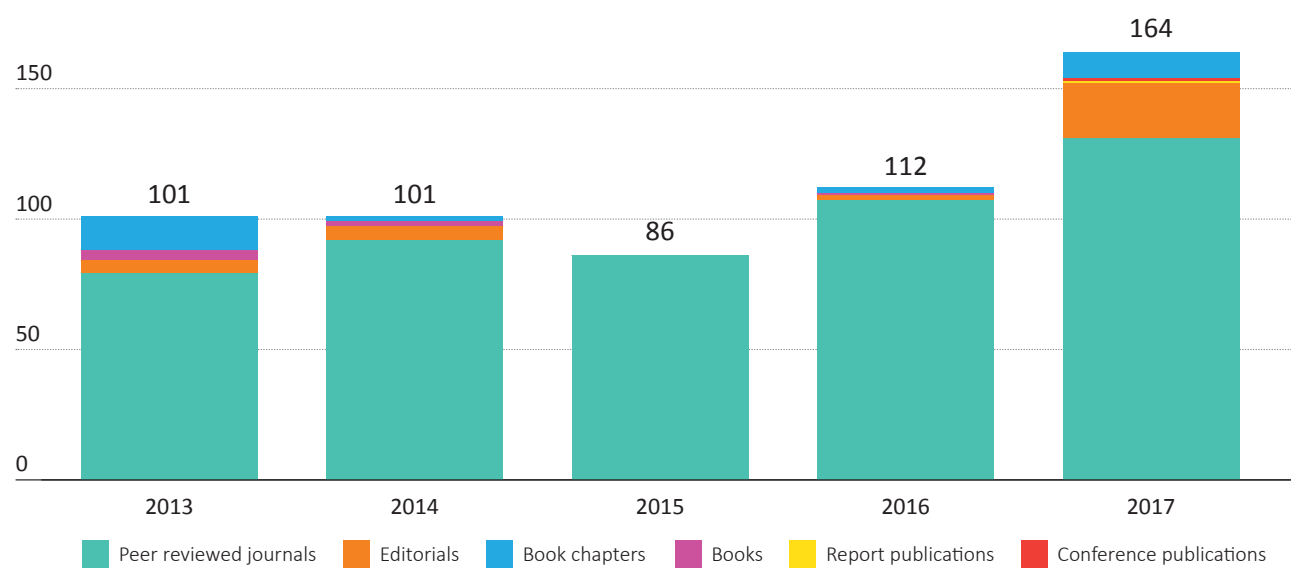
Dr Lin Cen at her graduation ceremony.



# Publications

The Centre for Quality and Patient Safety Research had a particularly impressive year for publication output in 2017 with 164 publications, books and book chapters published by QPS researchers. This represents a 62% increase in the annual number of publications since 2013.

## Publication output by QPS researchers 2013–2017



1.

Aagaard, K., Sørensen, E., **Rasmussen, B.**, & Laursen, B. (2017). Identifying Nurse Anesthetists’ Professional Identity. *Journal of Perianesthesia Nursing*, 32(6), 619-630. doi: 10.1016/j.jopan.2016.08.006

2.

Allen, J., **Hutchinson, A.**, Brown, R., & **Livingston, P.** (2017). User Experience and Care Integration in Transitional Care for Older People from Hospital to Home: A Meta-Synthesis. *Qualitative Health Research*, 27(1), 24-36. doi: 10.1177/1049732316658267

3.

Allen, J., Jones, D., & **Currey, J.** (2017). Clinician and manager perceptions of factors leading to ward patient clinical deterioration. *Australian Critical Care*. doi: 10.1016/j.aucc.2017.09.003

4.

Ayton, D., Barker, A., Morello, R., Brand, C., Talevski, J., Landgren, F., Melhem, M., Bian, E., Brauer, S., Hill, K., **Livingston, P.**, & **Botti, M.** (2017). Barriers and enablers to the implementation of the 6-PACK falls prevention program: A preimplementation study in hospitals participating in a cluster randomised controlled trial. *PLoS ONE*, 12(2). doi: 10.1371/journal.pone.0171932

5.

Barker, A., **Botti, M.**, **Livingston, P.**, Brauer, S., Landgren, F., Brand, C., Morello, R., Talevski, J., Melham, M., & Chen, Z. (2017). Nurse and senior management perceived barriers and enablers to effective falls prevention in acute public hospitals: a qualitative study. *PLoS ONE*, 16(12), 2.

6.

Barker, A., Morello, R., Ayton, D., Hill, K., Brand, C., **Livingston, P.**, & **Botti, M.** (2017). Acceptability of the 6-PACK falls prevention program: A pre-implementation study in hospitals participating in a cluster randomized controlled trial. *PLoS ONE*, 12(2). doi: 10.1371/journal.pone.0172005

7. **Bloomer, M.,** Cross, W, O'Connor, M & Endacott, R. (2017). Using Non-Participant Observation in the Clinical Setting, Sage Publications, London, retrieved 2018/10/16, DOI 10.4135/9781526420992, <http://methods.sagepub.com/case/using-non-participant-observation-in-the-clinical-setting>
8. **Bloomer, M.,** Endacott, R., Ranse, K., & Coombs, M. (2017). Navigating communication with families during withdrawal of life-sustaining treatment in intensive care: a qualitative descriptive study in Australia and New Zealand. *Journal of Clinical Nursing*, 26(5-6), 690-697. doi: 10.1111/jocn.13585
9. Boltong, A., Ledwick, M., Babb, K., Sutton, C., & **Ugalde, A.** (2017). Exploring the rationale, experience and impact of using Cancer Information and Support (CIS) services: an international qualitative study. *Supportive Care in Cancer*, 25(4), 1221-1228. doi: 10.1007/s00520-016-3513-7
10. Borrott, N., Kinney, S., Newall, F., Williams, A., Cranswick, N., Wong, I., & **Manias, E.** (2017). Medication communication between nurses and doctors for paediatric acute care: An ethnographic study. *Journal of Clinical Nursing*, 26(13-14), 1978-1992. doi: 10.1111/jocn.13606
11. **Bouchoucha, S.,** Johnstone, M., & Whatman, E. (2017). Media representation of antimicrobial resistance: Risk and benefits to public understanding and preparedness for a 'new dark age' of superbugs. *Infection, Disease & Health*, 22, S13. doi: 10.1016/j.idh.2017.09.052
12. **Bouchoucha, S.,** Kilpatrick, M., & **Hutchinson, A.** (2017). Antimicrobial stewardship and infection prevention and control in atopic dermatitis in children. *Infection, Disease & Health*, 22, S3. doi: 10.1016/j.idh.2017.09.013
13. **Bouchoucha, S.,** & Moore, K. (2017). Infection prevention and control: Who is the judge, you or the guidelines? *Journal of Infection Prevention*, 19(3), 131-137. doi: 10.1177/1757177417738332
14. **Bouchoucha, S.,** & Moore, K. (2017). Standard precautions but no standard adherence. *Australian Nursing and Midwifery Journal*, vol. 24, no. 8, p. 38.
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