

Nursing Research Institute Annual Report 2014



"All of us must care for life, cherish life, with tenderness, warmth...to give life is to open (our) heart, and to care for life is to (give oneself) in tenderness and warmth for others, to have concern in my heart for others. Caring for life from the beginning to the end. What a simple thing, what a beautiful thing... So, go forth and don't be discouraged. Care for life. It's worth it."

Pope Francis, 17th July 2013

Vision and Mission

The Nursing Research Institute (NRI) is a joint organisation between St Vincent's Health Australia Sydney (SVHA Syd) and the Australian Catholic University. Launched in 2008, based at St Vincent's Hospital Sydney, the Nursing Research Institute facilitates nurse-led, clinically focused, patient outcome-oriented multidisciplinary research in healthcare.

OUR VISION

Our vision is to create a world-class centre of excellence in nurse-led multidisciplinary and health services research with the aim of improving patient care and health service delivery.

OUR MISSION

Our mission is to make a positive impact on patient well-being and health service effectiveness and efficiency through:

- Conducting high quality, nurse-led multidisciplinary and related health research with a particular focus on improving health outcomes and research transfer
- Building research capacity through training and mentoring research students, clinicians and career researchers
- Advising, collaborating and consulting on key issues and challenges relating to multidisciplinary health research with the health industry, clinicians, government and consumers
- Creating and sustaining a collegiate, supportive and high performance research culture is attractive to the best researchers and research students

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Message from our Directors

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he Nursing Research Institute (NRI) accomplished another successful year in 2014. As is showcased here, our research continues to flourish and achieve its goals of conducting and publishing clinically relevant studies of national and international significance. This year, NRI researchers including our clinician researchers were working on 27 research projects. Our research included locally and nationally funded projects strongly aligned with seven out of the ten National Safety and Quality Health Service Standards priorities. Proudly, our Quality in Acute Stroke Care Implementation Project (QASCIP) won the prestigious 2014 NSW Premier's Public Sector Award for Improving Performance and Accountability. Furthermore, we have expanded our international collaborations with establishment of the International Stroke Research Collaboration (ISReC) funded by Australian Catholic University (ACU) aiming to become a leader in stroke research worldwide.

2014 also marked the NRI's sixth anniversary and a Nursing Research Symposium was held to celebrate the occasion. Since the NRI's inception in 2008, our team and research funding continues to grow with a total of \$17m in awarded grants and 300 peer-reviewed publications. We currently employ 23 staff and students and an additional 118 clinical researchers were employed on various projects across New South Wales, Victoria, South Australia, Queensland and the ACT. This growth reflects the strategic importance of the targeted research that is undertaken by the NRI with a focus on evidence translation and understanding the factors that influence clinician practice.

As research funding becomes increasingly competitive, it is incumbent on university and health service partnerships to address the 'big' research questions supported by strong research teams and mutually beneficial partnerships in order to ensure success. We will continue to strengthen by focusing on key areas in which we have built a track record and strong research partnerships over the last few years.

We would like to take this opportunity to thank the ACU and St Vincent's Health Australia, Sydney (SVHA, Sydney) for their valuable partnership and for their continuing support of the NRI as we venture into the future.



Professor
Sandy Middleton RN PhD
*Director, Nursing
Research Institute*



Associate Professor
Liz McInnes RN PhD
*Deputy Director,
Nursing Research Institute*

Nursing Research Institute Governance

Nursing Research Institute Steering Committee

Meets twice a year to govern and monitor the strategic directions of the NRI and in 2014 was comprised of the following members:

Associate Professor Anthony M. Schembri Chief Executive Officer St Vincent's Health Network Sydney	Professor Michelle Campbell Executive Dean Faculty of Health Sciences Australian Catholic University
Mr Steven Bernardi Director of Nursing St Vincent's Health Network Sydney	Professor Patrick Heaven Dean of Research Australian Catholic University
Adjunct Professor Jose Aguilera OAM Director of Nursing & Clinical Services St Vincent's Private Hospital	Professor Sandy Middleton Director Nursing Research Institute
Professor Judy Lumby AM Emeritus Professor, University of Technology Sydney Honorary Professor, University of Sydney Honorary Professor, University of Adelaide	Associate Professor Elizabeth McInnes Deputy Director Nursing Research Institute
Ms Patty Zenonos Executive Officer Nursing Research Institute	Mrs Tara Doyle Executive Assistant to the Director of Nursing Research Institute

Nursing Research Institute Management Committee

Meets three times a year to discuss the ongoing management of the NRI and in 2014 was comprised of the following members:

Associate Professor Anthony M. Schembri Chief Executive Officer St Vincent's Health Network Sydney	Ms Rose McMaster Acting State Head of School School of Nursing, Midwifery & Paramedicine (NSW&ACT) Australian Catholic University
Mr Steven Bernardi Director of Nursing St Vincent's Health Network Sydney	Associate Professor Thomas Harding State Head of School School of Nursing, Midwifery & Paramedicine (NSW&ACT) Australian Catholic University
Adjunct Professor Jose Aguilera OAM Director of Nursing & Clinical Services St Vincent's Private Hospital	Professor Sandy Middleton Director Nursing Research Institute
Adjunct Professor John Geoghegan Director of Nursing & Operations St Joseph's Hospital	Associate Professor Elizabeth McInnes Deputy Director Nursing Research Institute
Ms Leanne Laidler Director of Nursing & Clinical Services Mater Hospital Sydney	Ms Patty Zenonos Executive Officer Nursing Research Institute
Professor Mary Courtney National Head School of Nursing, Midwifery & Paramedicine Faculty of Health Sciences Australian Catholic University	Mrs Tara Doyle Executive Assistant to the Director of Nursing Research Institute

Nursing Research Institute Partnership

St Vincent's Health Australia, Sydney



Associate Professor Anthony M. Schembri
Chief Executive Officer
St Vincent's Health
Network Sydney
NRI Steering Committee



Associate Professor Jose Aguilera OAM
Clinical Services
St Vincent's Private
Hospital
NRI Steering Committee
NRI Management Committee



Mr Steven Bernardi
Director of Nursing
St Vincent's Health
Network Sydney
NRI Steering Committee
NRI Management Committee



Adjunct Professor John Geoghegan
Director of Nursing &
Operations
St Joseph's Hospital
NRI Management Committee



Ms Leanne Laidler
Director of Nursing &
Clinical Services
Mater Hospital Sydney
NRI Management Committee

Australian Catholic University



Professor Michelle Campbell
Executive Dean
Faculty of Health
Sciences
Australian Catholic
University
NRI Steering Committee



Professor Mary Courtney
National Head
School of Nursing,
Midwifery & Paramedicine
Faculty of Health Sciences
Australian Catholic
University
NRI Management Committee



Professor Patrick Heaven
Dean of Research
Australian Catholic
University
NRI Steering Committee



Associate Professor Thomas Harding
State Head of School
School of Nursing,
Midwifery &
Paramedicine
(NSW&ACT)
Australian Catholic
University
NRI Management Committee



Ms Rose McMaster
Acting State Head
of School
School of Nursing,
Midwifery &
Paramedicine
(NSW&ACT), Australian
Catholic University
NRI Management Committee

External



Professor Judy Lumby
Emeritus Professor, UTS
Honorary Professor, University of Sydney
Honorary Professor, University of Adelaide
NRI Steering Committee

Nursing Research Institute Staff



Dr Cintia Martinez-Garduno
BSc PhD
Research Assistant



Ms Rosemary Phillips
BA Grad Dip Science
Research Assistant
T³ Trial VIC State Coordinator
INTACT Trial (Project Manager)



Ms Victoria Middleton
RN
Casual Research Assistant
INTACT Trial (Outcome Assessor)



Dr Anna Lydtin
MBBS
Quality in Acute Stroke Care
Implementation Project
Coordinator



Ms Kelly Coughlan
RN B Nursing, Post Grad Dip
(CCU), Grad Cert (Research
Methods)
Stroke Survivorship Project
Research Assistant
T³ Trial Research Assistant



Ms Asmara Jammali-Blasi
RN, BN (Hons), MPH
Casual Research Assistant

Triage, Treatment and Transfer of patients with stroke in Emergency Department - T³ Trial Team



Ms Simeon Dale
RN BA (Hons)
Clinical Research Fellow
T³ Trial Project Manager



Ms Enna Salama
BSc (Hons)
T³ Trial QLD State Coordinator
QLD Project Officer, The Florey
Institute of Neuroscience &
Mental Health



Ms Verena Schadewaldt
RN MHS
T³ Trial Research Consultant



Ms Larissa Collins
DipHScN, GradCertCE, MPH
T³ Trial NSW State
Coordinator
EDPRAC Study Project Officer



Ms Janne Pitkin
RN BA
T³ Trial VIC State Coordinator



Ms Natanya Hunt
BA(MedRadSc) DipBA
T³ Trial Administration
Officer

INTroducing A Care bundle To prevent pressure injury (INTACT) Research Team



Ms Lisa Davey
RN
INTACT Trial (Recruiter)



Mrs Flavia Darwell
BN (in progress)
Cert III - Aged care/ Acute Care
INTACT Trial (Outcome Assessor)



Ms Kelly Edwards
BSc BANursing (First
Class Hons)
INTACT Trial (Outcome
Assessor)



Ms Katherine Paulette
RN
INTACT Trial (Recruiter)



Ms Deanna Rowe
BN (in progress)
Dip FinPlan
INTACT Trial (Outcome
Assessor)



Ms Toni Sheridan
RN GradCert(Clinical Mgt)
Cert IV PM & TE
INTACT Trial (Health
Economics Data Collector)



Mr David Bayliss
RN BN (Hons) (IA) PhDc
(APA)
INTACT Trial (Recruiter)



Mrs Susanne Iacopini
RN MA BA (Hons)
INTACT Trial (Outcome Assessor)

Administration



Ms Patty Zenonos
BBus MN
Executive Officer



Mrs Tara Doyle
BA Comm
Executive Assistant to
Professor Sandy Middleton

St Vincent's Health Australia, Sydney Clinicians



Mr Graham Carter
RN
The Mater Hospital
Project: *What are the barriers and enablers to using whiteboards in an acute hospital setting? A mixed-methods study*



Ms Edel Murray
RN, Dip Nursing MGN, M CI Nurs
Quality Manager Accreditation
St Vincent's Private Hospital
Project: *INTroducing A Care bundle To prevent pressure injury (the INTACT trial)*



Mr Paul Morgan
RN, BA Grad Dip (Bus Admin), MEdPA
Clinical Data Analyst
The Mater Hospital
Project: *Implementation of a patient blood management program in an Australian private hospital orthopedic unit: A pilot study*



Ms Jane Rodgers
RN M (Clinical Nursing) GC (Stomal Therapy Nursing) Dip AppSc (Nursing)
Vascular Plastics Wound Clinical Nurse Consultant
St Vincent's Hospital
Project: *INTroducing A Care bundle To prevent pressure injury (the INTACT trial)*

Higher Education Students



Ms Serena Knowles
RN VN (Hons), Grad Dip (Inf), M Grad Cert (Clin Nursing)
PhD Candidate
Thesis title: *Improving clinical practice in intensive care: Implementation of an evidence based practice guideline*



Dr Peta Drury
DipAppSc (Nursing) BHSc (Nursing) MN
PhD (graduated in 2014)
Thesis title: *Evaluating the effect of a complex behaviour change intervention to improve the management of fever, hyperglycaemia and dysphagia in acute stroke patients*



Ms Jane Allnutt
RN RM Dip Teach (Nursing) BSc MPH
PhD Candidate
Thesis title: *Exploring the nurse practitioner service in New South Wales*



Ms Rose McMaster
NR DAppSc (Nursing) Grad Dip Ed (Nursing) MN (Hons)
PhD Candidate
Thesis title: *Evaluation of a day-time drop-in support centre for women who are homeless or at risk of homelessness*



Mrs Fiona Bailey
RN
PhD Candidate
Thesis title: *Examining the management of reported medication incidents in an acute care hospital*



Mr Leonard Baatiema
MSc (Community) BA (Geog/Rural Dev)
PhD Candidate
Thesis title: *Examining the use of evidence-based care for acute stroke in Ghanaian hospitals*

Research Projects

In 2014 the NRI was conducting 23 projects that aligned with seven out of the ten Australian Commission on Safety and Quality in Health Care (ACSQHC), National Safety and Quality Health Service Standards (NSQHS). In aligning the NRI research activities with the NSQHS meets the significant directions of ACU and SVHA Sydney to provide evidenced-based improvement strategies for practice. We continue to bring clinical and research expertise together to conduct rigorous multidisciplinary research that reflects national health care priorities.

2014 NRI projects aligned with the National Safety and Quality Health Services Standards

National Safety and Quality Health Service (NSQHS) Standards		Project Stage/Outputs to Date
Governance for Safety and Quality in Health Service Organisations (STANDARD 1)		
What are the reasons for clinical network success? A qualitative study		Manuscript under review
The PELICAN study: Progress of a trial of early intervention for chronic obstructive pulmonary disease by practice nurse and GP teams		Manuscript under review
Quality in Acute Stroke Care (QASC) Implementation Project		Manuscript in preparation
Feasibility of a survivorship study: Quality in Acute Stroke Care (QASC) follow-up survey of stroke survivors and caregivers		Data analysis
RMH_NP TIA Rapid Assessment Clinic (TIARA) Evaluation		Data analysis
The persistent use of ineffective wound care technologies and products in clinical practice: A qualitative study of barriers and enablers to evidence based purchasing and disinvestment processes in a tertiary hospital		Data analysis
T ³ Trial - Triage Treatment and Transfer of patients with acute stroke in emergency departments		Data collection
ACU International Stroke Research Collaboration (ISReC)		Data collection
Very Early Rehabilitation in SpEEch (VERSE): The development of an Australian randomized controlled trial of aphasia therapy after stroke		Data collection
Partnering with Consumers (STANDARD 2)		
Evaluation of Lou's Place - a daytime drop-in support centre for women at risk of being or who are homeless		Manuscript in preparation
INTroducing A Care bundle To prevent pressure injury (the INTACT trial)*		Data analysis
Evaluation of the impact of an innovative nurse-led Aboriginal community outreach clinic		Protocol preparation
Brief smoking cessation program in acute care		Protocol preparation
Preventing and Controlling Healthcare Associated Infections (STANDARD 3)		

A qualitative study of senior hospital managers' views on current and innovative strategies to improve hand hygiene compliance	Paper publication
Medication Safety (STANDARD 4)	
Use of multiple or single subcutaneous intima lines in the palliative care unit	Change of practice of St Joseph's Hospital
Patient Identification and Procedure Matching (STANDARD 5)	
Examining the management of reported medication incidents in an acute care hospital	3 papers in preparation
Clinical Handover (STANDARD 6)	
What are the barriers and enablers to using whiteboards in an acute hospital setting? A mixed-methods study	Data analysis
Blood and Blood Products (STANDARD 7)	
Implementation of a patient blood management program in an Australian private hospital orthopedic unit: A pilot study	Data analysis
Preventing and Managing Pressure Injuries (STANDARD 8)	
Update for Cochrane Review: Support surfaces for pressure ulcer prevention	Manuscript under review
INTroducing A Care bundle To prevent pressure injury (the INTACT trial)*	Data analysis
Other	
The out-and-about trial: Improving quality of life by increasing outdoor journeys after stroke	Manuscript under review
Implementing guidelines: An evaluation of the international uptake of the QASC Fever, Sugar, Swallowing (FeSS) protocols and implementation resources	Manuscript in preparation
Emergency Department nurse PRACTitioner Project (EDPRAC)	Data analysis
Stage 2 of the Stroke Survivorship Study – A cohort follow-up survey of health, physical function, self-efficacy and falls risk in stroke survivors and their care-givers	Data analysis
Altering the Rehabilitation Environment to Improve Stroke Survivor Activity (AREISSA)	Data collection
Headset EEG Predictors of cognitive outcome after stroke	Data collection
Head Position in Stroke Trial (HeadPoST)	Data collection
STROKE123: A collaborative national effort to monitor, promote and improve the quality of stroke care in hospitals and patient outcomes	Data collection

*Please note that the INTACT Trial falls into two of the NSQHS Standards.

Awards

2014 NSW Premier's Public Sector Award – Winner



Pictured are Mr Mike Baird, Premier of NSW, Dr Anna Lydtin, Ms Simeon Dale and Mr Dan Comerford, Director of Acute Stroke Care, NSW Agency for Clinical Innovation

The Quality in Acute Stroke Care Implementation Project (QASCIP) was awarded the 2014 NSW Premier's Public Sector Award for Improving Performance and Accountability. QASCIP was the winning submission in the Improving performance and accountability category, which recognises initiatives and projects that aim to strengthen existing systems, or enhance efficiency, accountability, workforce capacity, and community confidence in the public sector. Three other pioneering projects were finalists in the category, covering a diverse range of public health sectors including Health, Justice and Transport.

NSW Health Excellence in Nursing and Midwifery Award - Winner



Pictured are Mr Steven Bernardi, Director of Nursing, St Vincent's Hospital, Prof Sandy Middleton, A/Prof Elizabeth McInnes and A/Prof Susan Pearce, NSW Chief Nurse

Prof Sandy Middleton was awarded the NSW Health Excellence in Nursing and Midwifery Award for Innovation-Research. A ceremony was held at NSW Parliament House on the 11th September 2014.

Sandy was commended for her work leading large-scale translational research projects designed to have meaningful impact on changing clinical practice and improving patient outcomes.

National Lead Clinicians Group 2014 Awards for Excellence – Finalist



Pictured are Prof Sandy Middleton, Dr Anna Lydtin and Ms Simeon Dale all from the NRI

The Quality in Acute Stroke Care Implementation Project (QASCIP) was the runner up in the general division of the National Lead Clinicians Group 2014 Awards for Excellence announced in June 2014 at a gala dinner in Melbourne. Australia's clinicians and health service managers were recognised for their development of innovative and successful approaches to Clinical Practice through the National Lead Clinicians Group. The Awards for Excellence initiative, now in its second year, is designed to promote innovative approaches in clinical care; and to share high quality, innovative models of care across the country.



St Vincent's Clinic Foundation 2014 Excellence Awards – Winner



Pictured are Ms Michelle Wilson, Executive Director, St Vincent's Clinic and Dr Anna Lydtin

Dr Anna Lydtin won the St Vincent's Clinic Foundation 2014 Campus Excellence Awards for Emerging Researcher on St Vincent's Campus and was announced at the Sandra David Oration on 17th September 2014. The Award recognizes outstanding clinical researchers undertaking research in their field although the focus is on the attributes of the individual rather than a specific research project. As Emerging Researcher, Anna was awarded a certificate and given \$1,000 to be used for professional development.

ACU 5 Minute Research Pitch – Winner



Pictured is Ms Simeon Dale

The National 5 Minute Research Pitch was an exciting opportunity for researchers to showcase their work to a national audience and win up to \$7000 towards their research. Competitors had just five minutes, and three PowerPoint slides, to present their current research in a way that is easily understood by a non-academic audience. Ms Simeon Dale, Clinical Research Fellow at the Nursing Research Institute won the Science and Health Group for her presentation The Quality in Acute Stroke Care (QASC) Implementation Project, and came second overall. She was awarded \$2000 to further her research.

Follow the link to see the pitch:
<http://tinyurl.com/5RP-SDale>



Highlights

Below we highlight four of the NRI's primary projects for 2014 due to their high clinical relevance and partnerships with clinician in 2014.

Quality in Acute Stroke Care Implementation Project (QASCIP)

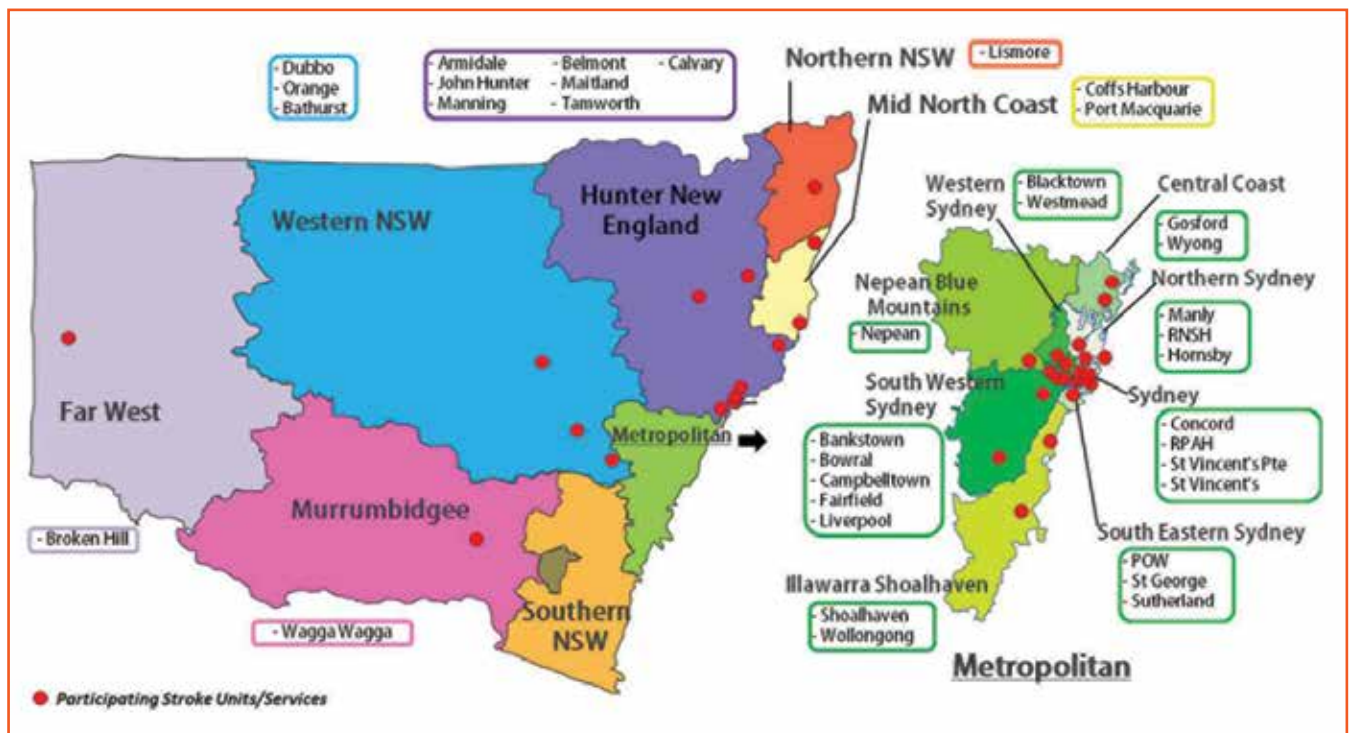
- * 2014 NSW Premier's Public Sector Award for Improving Performance and Accountability.
- * Finalist for National Lead Clinicians Group 2014 Award for Excellence in Innovative Implementation of Clinical Practice.
- * 5 Minute Research Pitch



The Quality in Acute Stroke Care (QASC) Implementation Project was collaboration between the NRI, the NSW Agency for Clinical Innovation, the National Stroke Foundation and 15 Local Health Districts that demonstrated significant and clinically important improvements in stroke care across NSW. Specifically, the project successfully translated evidence from the QASC randomised controlled trial into all 36 NSW stroke services and improved the management of fever, raised sugar levels and swallowing difficulties in the first 72 hours following stroke. Our findings demonstrate upscale and spread of proven interventions can be achieved on a large scale and within a short-time. The project won the following awards:

QASC randomised controlled trial into all 36 NSW stroke services and improved the management of fever, raised sugar levels and swallowing difficulties in the first 72 hours following stroke. Our findings demonstrate upscale and spread of proven interventions can be achieved on a large scale and within a short-time. The project won the following awards:

QUALITY IN ACUTE STROKE CARE IMPLEMENTATION PROJECT NSW STROKE UNITS



QUALITY IN ACUTE STROKE CARE IMPLEMENTATION PROJECT CLINICIANS

We would like to thank all the clinicians who provided data for a total of 2144 patients across NSW.

Hospital	Clinicians	Hospital	Clinicians
Armidale Hospital	Amanda Styles, Melissa Gill	Manly Hospital	Shae Miller, Dajani Sunny, Christie Allen
Bankstown Hospital	Allen Morales, Anna Cupak, Denise Houston, Myra Drummond	Manning Base Hospital	Jenny Rudd, Ben Service, Sandra A Bevan
Bathurst Base Hospital	Fiona Ryan, Pnina Smith, Katie Miller, Angie Pettit	Calvary Newcastle Hospital	Kerry Boyle, Claire Guest
Belmont Hospital	Dianne Wood, Stephanie Weston, Jasmine Woods	Nepean Hospital	Kim Maddock, Susan Lane, Jaimie Earl
Blacktown Hospital	Camelia Burdusel, Joanne Teoh	Orange Base Hospital	Melissa Johnston, Gabrielle Larnach, Fiona Ryan
Bowral Hospital	Julie Ferguson, Peter Handcock, Rosemary Cullen, Myra Drummond	Port Macquarie Base Hospital	Kim Parrey, Sophia Ingle, Brooke Donnelly, Stuart Mitchell
Broken Hill Base Hospital	Kristie Connell, Gillian Veenstra, Michelle Donnelly	Prince of Wales Hospital	Lisa Dhaliwal, Karena Hayes, Chris Taylor
Campbelltown Hospital	Beverley Macdonald, Girlie Angeles, Christine Flynn, Myra Drummond	Royal North Shore Hospital	Dijana Wolffram, Sheila Jala, Daniel Kinsella
Coffs Harbour Base Hospital	Karen Longworth, Susan Lee	Royal Prince Alfred Hospital	Lindsey Wanger, Amy Blake, Michael Braithwaite, Kylie Tastula, Nadia Burkolter
Concord Hospital	Helen Ryan, Alison Wilson	Shoalhaven Hospital	Kerrie O'Leary, Lynn Hewitt, Dr Vinu Abraham, Karlie Royston
Dubbo Base Hospital	Debra Sloane, Annamma Mulavana	St George Hospital	Sheila Pomfret, Amanda Wills, Sascha Burgess
Fairfield Hospital	Myra Drummond, Natasa Klijajic, Kelwin Green	St Vincent's Hospital	Danielle Wheelwright, Sharn Deery
Gosford Hospital	Rhonda O'Neil, Justine Watkins	Sutherland Hospital	Christine Turner
Hornsby Hospital	Nicole Morrissey, Annette Bailey, Emma Osborne, Virginia Puneo, Katarina Futwembun, Malcolm Kanard	Tamworth Base Hospital	Rachel Peake, Debbie Stewart, Sharyn Landel, Vanessa Zurita
John Hunter Hospital	Angela Royan, Alison Edmonds, Araceli Henwood	Wagga Wagga Base Hospital	Katherine Mohr, Ellen Aguirre, Margaret Trethowan
Lismore Base Hospital	Kim Hoffman, Joel Organ, Karen Kostal	Westmead Hospital	Claire Ingram, Doreen McCormack
Liverpool Hospital	Jasmeen Khan, Myra Drummond	Wollongong Hospital	Michelle Doughty, Toni Wonson
Maitland Base Hospital	Renae Galvin, Laura Kate Forbes, Kaitlin Wright	Wyong Hospital	Justine Watkins, Lisa Hopper, Rhonda O'Neil

How can we improve healthcare workers' compliance with hand hygiene?

* An Editor's pick and highly accessed journal article – BMC Infectious Diseases

McInnes E, Phillips R, Middleton S, Gould D. *A qualitative study of senior hospital managers' views on current and innovative strategies to improve hand hygiene*. BMC Infectious Diseases 2014, 14:611 [doi:10.1186/s12879-014-0611-3](https://doi.org/10.1186/s12879-014-0611-3)

While policy makers, clinicians and hospital administrators are aware that effective hand hygiene is one of the most important measures in preventing HAIs, it has historically been difficult to achieve and sustain healthcare workers' compliance with good hand hygiene practices. In order to address this issue, numerous studies have been conducted in Australia and internationally to identify programs and interventions to improve hand washing rates. However no studies had sought senior hospital managers' views on patient safety strategies such as hand hygiene.

In 2013-14, the NRI sought to address this major research and clinical knowledge gap and conducted a qualitative study at St Vincent's Public and Private Hospitals. A purposive sample of senior managers (clinical and non-clinical) at both facilities was interviewed to identify their views on prevailing and emerging/innovative strategies to improve hand hygiene compliance.

The preliminary findings of this unique research study were presented at the International Conference on Prevention and Infection control held in Geneva 2013. In 2014, the results were published in an article published by BMC Infectious Diseases. Upon publication, the article was selected as one of the editor's picks and has subsequently maintained a high impact – being accessed 3,299 times and cited once since publication.

The findings of the study raises issues about approaches used in current hand hygiene programs and provides implications for health services for strengthening and reinvigorating hand hygiene strategies. For example, tailoring the five moments to specific roles and clinical settings rather than adopting a one-size fits all approach. It also recommends that further research is conducted about whether a penalty based approach as suggested by some study participants should be considered.

INTroducing A Care bundle To prevent pressure injury trial (INTACT)

In 2013, the NRI partnered with Griffith University, St Vincent's Hospital (SVH) and St Vincent's Private Hospital (SVPH) to implement the INTACT Trial (INTroducing A Care bundle To prevent pressure injury). INTACT is a nursing led, NHMRC funded, cluster randomised controlled trial being conducted across three states, with SVH and SVPH being the only hospitals in NSW participating in this initiative.

INTACT uses a novel, patient centred care approach to address a perennial clinical challenge, namely pressure injury prevention in acute care. The INTACT Trial is testing whether providing patients with a formal education strategy reduces the development of pressure injuries in 'at risk' hospitalised patients.

INTACT is of national importance as it addresses two National Safety and Quality Health Service Standards (Standard 2: Partnering with Consumers and Standard 8: Preventing and Managing Pressure Injuries) and is a significant achievement for nursing based research, being only one of a handful of nursing led studies being funded by the NHMRC.

Through the INTACT study, the NRI has been able to connect research with clinical practice and enable researchers and clinicians to work together to improve the quality and safety of patient care at St Vincent's Hospitals. The INTACT trial has enabled a bridge to be formed between research and clinical practice and a solid research base at SVH and SVPH, Sydney. Results will be available in 2015.



Emergency Departments nurse PRACTitioner (EDPRAC) Project



The EDPRAC Project is a collaborative study across Australian emergency departments to measure the impact of the nurse practitioner role as an emergency department service intervention. The study was funded by the Australian Research Council and seven industry partners and conducted independently by experienced researchers from Queensland University of Technology, Australian Catholic University, Deakin University and Curtin University. EDPRAC aims to provide the evidence to support the effectiveness of NP model in ED for a collateral impact on team configuration, service outcomes and quality of patient care. Clinicians from the 13 NSW Local Health Districts were recruited

and trained to support the data collection process for the nationwide project. The expected date of completion for the study is 2017.

EMERGENCY DEPARTMENTS NURSE PRACTITIONER CLINICIANS

We would like to thank all the clinician research assistants from across the state for their time and dedication on the Project.

Hospital	Clinicians	Hospital	Clinicians
Armidale Hospital	Melissa Gill	Manning Base Hospital	Robyn Grove
Auburn Hospital	Natasha Smith	Mona Vale Hospital	Mary Van Herten
Blacktown Hospital	Janet Tang	Prince of Wales Hospital	Siobhan Tooher-Burrell
Calvary Newcastle Hospital	Julie Gulyas Jenny Spencer	Royal North Shore Hospital	Yvette Mair
Campbelltown Hospital	Amanda Bendeich	Shoalhaven Hospital	Susan Hickson
Canberra Hospital	Heather Byrne	South Australia	Ian Rowbottom
Coffs Harbour Base Hospital	John Roche	Sutherland Hospital	Gina Hayson
Fairfield Hospital	Sara Estrada	Tamworth Base Hospital	Robyn Marker Sharon Bowen
Gosford Hospital	Georgina Coster	The Tweed Hospital	Samara Henderson
Goulburn Base Hospital	Julianne Mullins	Wagga Wagga Base Hospital	Elaine Ng
Grafton Base Hospital	Samara Henderson	Westmead Hospital	Natasha Smith
John Hunter Hospital	Danielle Arthur	Wollongong Hospital	Amy Simpson
Liverpool Hospital	Shylashee Seshmurthy		

Other highlights

American Heart Association (AHA) Film for QASC Implementation Project



The Quality in Acute Stroke Care Implementation Project (QASCIP) received global recognition at an International Stroke Conference in February 2014, hosted by the American Heart Association in San Diego, USA. QASCIP was presented as a successful

translational quality improvement project. The invitation-only opportunity was extended to only 15 initiatives worldwide and involved the development and showcasing of a film based on the success of QASCIP.

Follow the link to hear the podcast:
<http://tinyurl.com/QASCIP>

International Journal of Stroke: Podcast Series



Ms Simeon Dale, Clinical Research Fellow and T³ Trial Manager, was interviewed by the International Journal of Stroke (IJS) to discuss her presentation on obtaining ethics and governance approval during the T³ Trial. The IJS podcast offers interviews with key figures in the field and highlights of current topics and issues. Simeon spoke to Carmen Lahiff-

Jenkins, Managing Editor of the International Journal of Stroke at the Stroke Society Australasia meeting August 2014, Hamilton Island.

Follow the link to hear the interview:
<http://tinyurl.com/SDale-podcast>



St Vincent's Health Network Research Week & National Stroke Week



The NRI was part of the research week planning committee in September 2014 along with research centres from all St Vincent's Sydney campuses, which organised another successful week of interactive information displays. This year the event coincided with National

Stroke Week and the clinicians from the St Vincent's Stroke Unit kindly offered the visitors to our stand free blood pressure checks.

Nursing Research Institute Research Symposium



Left: Winner Best Paper Presentation Ms Levina Saad with Prof Sandy Middleton. Right: Winner Best Poster Ms Rose Gordon with A/Prof John Geoghegan and Prof Sandy Middleton

On Friday 14th November 2014, the NRI, SVHA Syd and ACU hosted their biennial Nursing Research Symposium "Looking forward, looking back: Celebrating 6 years of NRI research". With an international guest speaker Professor Caroline Watkins, Professor of Stroke and Older People's Care at the University of Central Lancashire, UK, opportunities for SVHA Syd staff to showcase their research through oral and poster presentations and a panel discussion on social media and research, the day was a success with more than 70 attendees. Prizes were given for best paper and poster presentations and the winner for best paper presentation was St Vincent's Hospital Clinical Nurse Consultant, Levina Saad with the presentation - Support and the Early Career Nurse. The winner for best poster was St Vincent's Hospital's Clinical Nurse Consultant, Rose Gordon with the poster - The oral health of people living with Motor Neurone Disease.

Quality in Acute Stroke Care Implementation Project (QASCIP) – ABC's Radio National Health Report



On 24th November 2014, Daniel Comerford, Director of Acute Care at the Agency of Clinical Innovation (ACI) and our Director, Professor Sandy Middleton were invited to be interviewed by Norman Swan for the ABC's Health Report. The interview focused on the collaboration

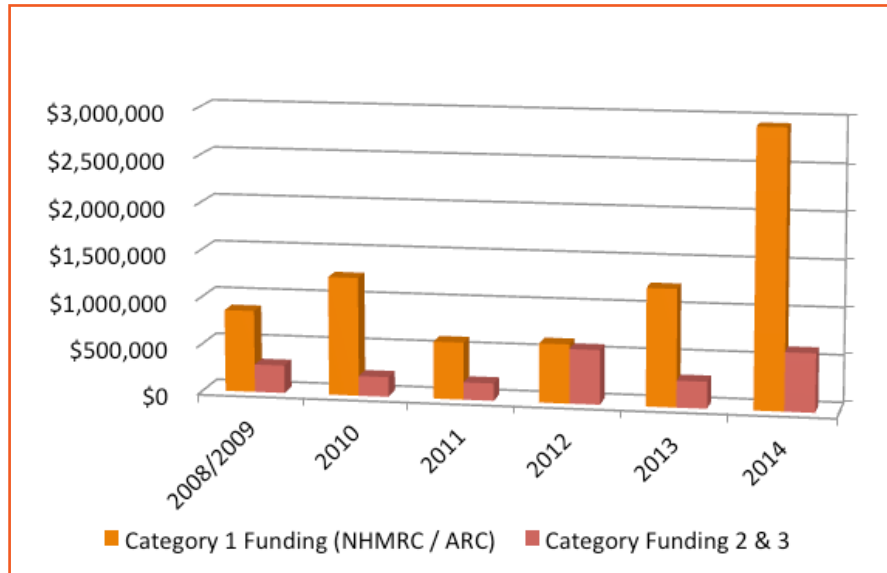
with the ACI and NRI for the Quality in Acute Stroke Care Implementation Project. The Project was highlighted as a rare example of state-wide evidence translation to implement three clinical protocols to manage fever, hyperglycaemia and swallowing in stroke units (the FeSS clinical protocols) in all 36 NSW stroke services in a 12 month period.

The ABC's Health Report attracts national specialist and mainstream audiences alike to bring clarity to health and medical issues from social, scientific and political points of view.

Follow the link to hear or read the interview:
<http://tinyurl.com/Middleton-HealthReport>

Awarded Grants

(NRI staff **in bold**, SVHA, Syd Clinicians underlined)



Category 1 – Awarded 2014

Arima H, Lavados P, **Middleton S**, **Watkins C**, Robinson T, Heritier S, Hackett M, Olavarria V, Heeley E. Head Position in Stroke Trial (HeadPoST). *National Health and Medical Research Council Project Grant*. 2014: \$612,315; 2015: \$803,230; 2016:\$363,518; **Total Funds Awarded: \$1,709,566.**

Bernhardt J, Nilsson M, Carey L, van Vilet P, Cadilhac D, Parsons M, Bladin C, **Middleton S**, Levi C, Donnan G. Centre for Research Excellence in Stroke Rehabilitation and Brain Recovery. *National Health and Medical Research Council Project Grant*. 2014: \$631,079; 2015: \$667,228; 2016: \$549,930; 2017: \$351,723; 2018: \$300,574. **Total Funds Awarded: \$2,500,537.**

Chaboyer W, Bucknall T, Webster J, **McInnes E**, Banks, M, Whitty J, Wallis M, Gillespie B, Thalib L, Cullum N. INtroducing A Care bundle To prevent pressure injury (the INTACT trial). *National Health and Medical Research Council Project Grant*. 2014: \$864,493; 2015: \$241,584. **Total Funds Awarded: \$1,071,077.**

Category 2 – Awarded 2014

Rogers J, **Middleton S**, Johnstone S, Kelly P. Headset EEG Predictors of Cognitive Outcome after Stroke. *ACU Faculty of Health Sciences Grant*. 2014: **\$16,954.**

Low Choy N, **Middleton S**, Hiller J, Courtney M, Cole M, Dorsch S, Paterson K, Lynch M, **Dale S**, **Jammali-Blasi A**. Stage 2 of the Stroke Survivorship Study – A cohort follow-up survey of health, physical function, self-efficacy and falls risk in stroke survivors and their care-givers. *ACU Faculty Research Grant*. **Total funds awarded: \$17,999.**

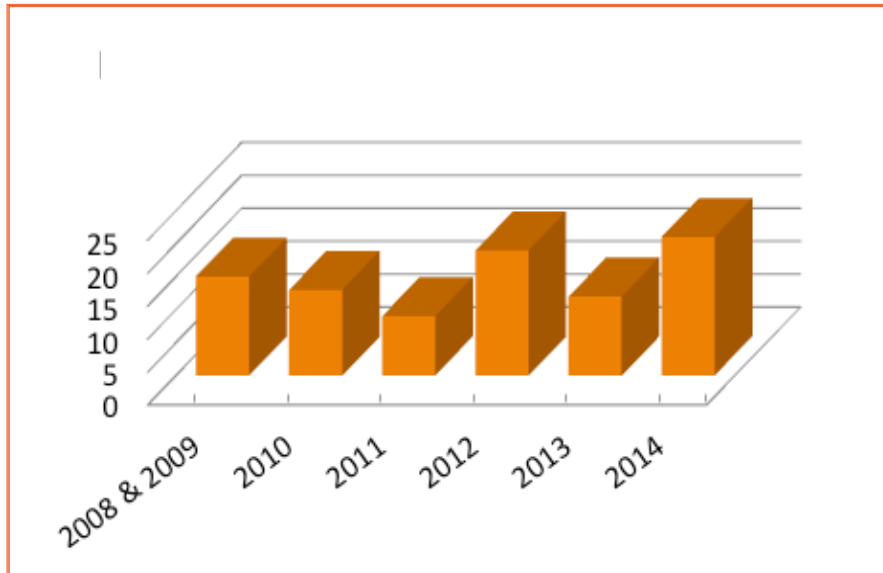
Sutherland- Fraser, S, Rodgers J, **McInnes E**. Surgical Patients' Pressure Injury Incidence (SPPII) study. *St Vincent's Clinic Foundation Research Grant*. **Total funds awarded: \$25,000.**

McInnes E, Hiller J. Why are clinically and cost-ineffective products used in wound-care? A qualitative of tertiary hospitals' wound care purchasing and disinvestment decisions. *ACU Faculty Research Grant*. **Total funds awarded: \$15,000.**

McInnes E, **Middleton S**, Carter G, **Martinez-Garduno C**. What are the Barriers and Enablers to Using Whiteboards in an Acute Hospital Setting? *A mixed-methods study. Friends of Mater Foundation Award*. **Total funds awarded: \$25,038.**

Peer-Reviewed Research Publications

(NRI staff in bold)



Middleton S, Grimley R, **Alexandrov A**. Triage, Treatment and Transfer: Evidence-based clinical practice recommendations and models of nursing care for the first 72 hours of admission to hospital for acute stroke. *Stroke* 2015, 46:e18-e25.

Middleton S, Gardner A, Della P, Lam L, **Allnutt N**, Gardner G. How has the profile of Australian Nurse practitioners changed over time? *Collegian: The Australian Journal of Nursing Practice, Scholarship and Research*. (Published online 26 November 2014).

Dale S, Levi C, Ward J, Grimshaw J, **Jammali-Blasi A**, D'Este C, Griffiths R, Quinn C, Evans M, Cadilhac D, Cheung NW, **Middleton S**. Barriers and enablers to implementation clinical treatment protocols for fever, hyperglycaemia and swallowing dysfunction in the Quality in Acute Stroke Care (QASC) Project - a mixed methods study. *Worldviews on Evidence Based Nursing* 2015, 12(1): 41-50. (Accepted 15 October 2014).

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

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, Macdonald PS, Davidson PM. The caregiver role in thromboprophylaxis management in atrial fibrillation: a literature review. *European Journal of Cardiovascular Nursing* 2014, 14(2): 98-107.

McInnes E, Chaboyer W, **Allen T**, **Murray E**, Jones P. The role of patients in pressure injury prevention. A survey of acute care patients. *BMC Nursing* 2014, 13: 41.

McInnes E, **Phillips R**, **Middleton S**, Gould D. A qualitative study of senior hospital managers' views on current and innovative strategies to improve hand hygiene compliance. *BMC Infectious Diseases* 2014, 16: 611.

Drury P, Levi C, D'Este C, McElduff P, **McInnes E**, Hardy J, **Dale S**, Cheung NW, Grimshaw J, Quinn C, Ward J, Evans M, Cadilhac D, Griffiths R, **Middleton S**. Quality in Acute Stroke Care (QASC): Process evaluation of an intervention to improve the management of fever, hyperglycaemia, and swallowing dysfunction following acute stroke. *International Journal of Stroke* 2014, 9(6): 766-776.

Chan D, Levi C, Cordato D, O'Rourke F, Chen J, Redmond H, Xu Y, **Middleton S**, Pollack M, Hankey G. Health Service Management Study for Stroke: a Randomised Controlled Trial to evaluate two models of Stroke Care. *International Journal of Stroke* 2014, 9(4): 400-405.

Schadewaldt V, Gardner A, **McInnes E**, Hiller J. Investigating characteristics of collaboration between nurse practitioners and medical practitioners in primary health care: A mixed methods multiple case study protocol. *Journal of Advanced Nursing* 2014, 70(5): 1184-1193.

Paul C, Levi C, D'Este C, Parsons M, Bladin C, Lindley R, Attia J, Carey M, Henskens F, Lalor E, Longworth M, **Middleton S**, Ryan A, Kerr E, Sanson-Fischer R. Thrombolysis Implementation in Stroke (TIPS): Evaluating the effectiveness of a strategy to increase the adoption of best evidence practice. Protocol for a cluster randomised controlled trial in acute stroke care. *Implementation Science* 2014, 9: 38.

Knowles S, **McInnes E**, Elliott D, Hardy J, **Middleton S**. Evaluation of the implementation of a bowel management protocol in intensive care: effect on clinician practices and patient outcomes. *Journal of Clinical Nursing* 2014, 23(5-6): 716-723.

Drury P, Levi C, **McInnes E**, Hardy J, Ward J, Grimshaw J, D'Este C, **Dale S**, McElduff P, Cheung NW, Quinn C, Griffiths R, Evans M, Cadilhac D, **Middleton S**. Management of fever, hyperglycaemia and swallowing dysfunction following acute stroke admission in New South Wales (NSW) Australia. *International Journal of Stroke* 2014, 9(1): 23-31.

Gillespie BM, Chaboyer WP, **McInnes E**, Kent B, Whitty JA, Thalib L. Repositioning for pressure ulcer prevention in adults. *Cochrane Database of Systematic Reviews* 2014, 4: No: CD009958.

Peer-Reviewed Research Publications Under Review in 2014

Chaboyer W, Bucknall T, Webster J, **McInnes E**, Banks M, Wallis M, Gillespie B, Whitty J, Lukman T, Cullum N. INTroducing A Care bundle To prevent pressure injury (INTACT) in at-risk patients: a protocol for a cluster randomised trial. *International Journal of Nursing Studies* (Submitted September 2014).

Knowles S, Lam L, **McInnes E**, Hardy J, Elliott D, **Middleton S**. Clinicians' attitudes, beliefs and behavior intentions related to bowel management for intensive care patients: development and testing of an instrument using the Theory of Planned Behaviour. *BMC Nursing* (Submitted July 2014).

McInnes E, Haines M, Dominello A, Kalucy D, **Jammali-Blasi A**, **Middleton S**. What are the reasons for clinical network success? A qualitative study of stakeholder views. *BMC Health Services Research* (Submitted June 2014).

Jammali-Blasi A, **McInnes E**, **Middleton S**. A survey of acute care clinicians' views on factors influencing hand hygiene practice and actions to improve hand hygiene compliance. *Journal of Clinical Nursing* (Submitted June 2014).

Haines M, Brown B, D'Este C, Yano E, Craig J, **Middleton S**, Castaldi P, Pollock C, Needham K, Watt W, Elliot E, Dominello A, Klineberg E, Atkinson JA, Redman S on behalf of the Clinical Network Research Group. Features of clinical networks that improve the quality of healthcare: A cross-sectional study of 19 state-based networks. *BMC Quality & Safety* (Submitted May 2014).

McCluskey A, Ada L, Kelly P J, **Middleton S**, Goodall S, Grimshaw J, Logan P, Longworth M, Karageorge A. Assisting stroke survivors to get out and about: Are Australian post-inpatient rehabilitation services complying with national stroke guideline recommendations? *International Journal of Stroke* (Submitted May 2014).

Drury P, **McInnes E**, Hardy J, **Dale S**, **Middleton S**. Stroke unit nurse manager's views of the influence of individual and organisational factors on evidence-based practice: a survey. *International Journal of Nursing Practice* (Submitted October 2013).

Middleton S, Gardner A, Della P, Lam L, **Allnutt N**, Gardner G. How has the profile of Australian Nurse practitioners changed over time? *Collegian* (Submitted July 2013).

McInnes E, **Jammali-Blasi A**, Bell-Syer S, Dumville J, **Middleton V**, Cullum, N. Support surfaces for pressure ulcer prevention. *Cochrane Database of Systematic Reviews* (fourth update).

Published Abstracts

(NRI staff in bold)

Rudd AG, Wolfe CDA, Chalkidou K, Hall R, **Middleton S**, Norrving B, Parkin D, Schwamm L. Integrated care for stroke: Addressing the needs of high cost, high needs patients. *The Commonwealth Fund Inter-ministerial Conference 'Caring for High-Needs and High-Cost Patients'*. 21 November 2014, Washington DC. Paper published in full E1.

Dale S, **Martinez-Garduno C**, **McInnes E**, **Middleton S**. How ethical is the process of ethics and governance review for multi-site trials? Results from the T³ Trial. *International Journal of Stroke* 2014, 9(1): 13.

Lydtin A, **Dale S**, Longworth M, Hill K, Katalinic E, Tinsley M, Comerford D, Ryan F, Quinn C, Patterson S, Grimshaw J, **Middleton S** on behalf of the QASC Working Group and Steering Committee. The QASC Implementation Project: Upscale and spread of evidence based results across NSW. *International Journal of Stroke* 2014, 9(2): 9.

Cadilhac D, Andrew N, Kilkenny M, Hill K, Grimley R, **Middleton S**, Lannin N, Anderson C, Donnan G. Outcomes and Quality of Care Piloting the establishment of performance benchmark methods for acute stroke care in Australian hospitals. *International Journal of Stroke* 2014, 9: 257.

Lavados P, Olavarria V, Arima H, **Middleton S**, **Watkins C**, Robinson T, Stapf C, Brunser A, Muñoz-Venturelli P, Anderson CS. On-going Clinical Trials Headpost: Head position in stroke trial. *International Journal of Stroke* 2014, 9: 252.

Middleton S, **Bruch D**, **Martinez-Garduno C**, **Dale S**. An international study on the uptake of the on-line resources from the Quality in Acute Stroke Care (QASC) Trial. *International Journal of Stroke* 2014, 9: 247.

Godecke E, Armstrong E, Bernhardt J, **Middleton S**, Rai T, Cadilhac D, Whitworth A, Rose M, Ciccone N, Hankey GJ, Holland A. Multidisciplinary Clinical Rehabilitation Very early rehabilitation in speech (VERSE): Progress report on an Australian randomized controlled trial of aphasia therapy after stroke. *International Journal of Stroke* 2014, 9: 223.

Middleton S, **Lydtin A**, **Dale S**, Comerford D, Hill K, Longworth M, McElduff P, D'Este C, Cadilhac D, on behalf of the QASC Implementation Working Group and Steering Committee. The Quality in Acute Stroke Care (QASC) implementation project: Successful and innovative state-wide evidence translation in 36 Australian stroke services. *International Journal of Stroke* 2014, 9(3): 30.

Lim J, Arima H, Muñoz-Venturelli P, Olavarria V, Lavados P, **Watkins C**, **Middleton S**, Robinson T, Heritier S, Hackett M, Ianiszewsky V, Heeley E, Lindley R, Anderson C. Challenges to establishing a global clinical trial of stroke nursing care: Experience of the head position in acute stroke trial (HeadPoST). *International Journal of Stroke* 2014, 9(2): 10.

Coughlan K, **Middleton S**, Mnatzaganian G, **Jammali-Blasi A**, **Dale S**, D'Este C, Hiller J, Courtney M, Low Choy N, on behalf of QASC Survivorship Collaborative. QASC trial mortality status at 5–10 year follow-up: Agreement between NSW state and national death registries. *International Journal of Stroke* 2014, 9(2): 17.

Martinez-Garduno C, **Middleton S**, **Dale S**, **Bruch D**. After QASC: Why do clinicians download the QASC fever, sugar, swallowing protocols and implementation resources? *International Journal of Stroke* 2014, 9(2): 17.

Cadilhac D, Lannin N, Kilkenny N, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, **Middleton S**, Anderson C. Stroke data collection in the Australian Stroke Clinical Registry – Progress with a purpose. *International Journal of Stroke* 2014, 9(2): 18.

Lannin N, Cadilhac D, Kilkenny M, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, **Middleton S**, Anderson C. Life after stroke – A reflection on patients' experience using data from the Australian Stroke Clinical Registry (AuSCR). *International Journal of Stroke* 2014, 9(2): 19.

Purvis T, Ritchie E, Kilkenny M, Hill K, Lalor E, **Middleton S**, Cadilhac D. National management of fever, hyperglycaemia and swallow in acute stroke. *International Journal of Stroke* 2014, 9(2): 21.

Kerr E, Sanson-Fisher RW, Paul CL, D'Este C, Parsons M, Bladin C, Lindley R, Attia JR, Henskens F, **Middleton S**, Ryan A, Morris K, Levi C. Thrombolysis Implementation in Stroke (TIPS): Evaluating the effectiveness of a strategy to increase the adoption of best evidence practice: An overview of data collected during the baseline period. *International Journal of Stroke* 2014, 9(2): 21.

Dale S, Martinez-Garduno C, McInnes E, Middleton S. How ethical is the process of ethics and governance review for multi-site trials? Results from the T³ Trial. *International Journal of Stroke* 2014, 9(1): 13.

Chan D, Levi C, Pollack M, Cordato D, O'Rourke F, Chen J, Redmond H, Hua Xu Y, **Middleton S**, Hanky G. A randomised controlled trial to evaluate a model of comprehensive stroke care. *International Journal of Stroke* 2014; 9(1) 13.

Middleton S, Comerford D, Lydtin A, Dale S, Cadilhac D, D'Este C, McElduff P, Hill K, Cheung NW, Levi C, Longworth M, Ward J, Quinn C, On behalf of the QASC Implementation Working Group and Steering Committee. The QASC Implementation Project: 'To improve is to change; to be perfect is to change often' Winston Churchill. *International Journal of Stroke* 2014, 9(1): 18.

Cadilhac D, Lannin N, Kilkenny MF, Churilov L, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, **Middleton S**, Anderson C. Variances in hospital death mortality: Experiences from the Australian Stroke Clinical Registry (AuSCR). *International Journal of Stroke* 2014, 9(1): 19.

Cadilhac D, Lannin N, Kilkenny MF, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, Grimley R, **Middleton S**, Anderson C. The Australian Stroke Clinical Registry – A national tool responsive to state needs. *International Journal of Stroke* 2014, 9(1): 21.

Middleton S, Bruch D, Dale S, Martinez-Garduno C. After QASC: International uptake of the QASC fever, sugar, swallowing protocols. *International Journal of Stroke* 2014, 9(1): 36.

Muñoz-Venturelli P, Arima H, Lim J, Lavados P, **Middleton S, Watkins C**, Robinson T, Heritier S, Hackett M, Olavarria V, Heeley E, Lindley R, Anderson C. The Head Position in Acute Stroke Trial (HeadPoST): Background and rationale. *International Journal of Stroke* 2014, 9(1): 38.

Middleton S, Coughlan K, Mnatzaganian G, Jammali-Blasi A, Dale S, D'Este C, Hiller J, Courtney M, Low Choy NL. Feasibility of long term follow-up of quality in acute stroke care trial participants: An evaluation of data linkage from state and national death registries. *International Journal of Stroke* 2014, 9(1): 44.

Godecke E, Armstrong E, **Middleton S**, Rai T, Holland A, Cadilhac D, Whitworth A, Rose M, Ciccone N, Hankey GJ, Bernhardt J. Very Early Rehabilitation in SpEEch (VERSE): Progress Report. *International Journal of Stroke* 2014, 9(1): 48.

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, MacDonald PS, Davidson PM. The Atrial Fibrillation and Stroke Thromboprophylaxis in hEart failuRe (AFASSTER) cohort study: 90 day outcomes. *European Journal of Heart Failure* 2014, 16(2):282.

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, MacDonald PS, Davidson PM. Frailty and thromboprophylaxis prescription in heart failure and atrial fibrillation: Preliminary findings from the Atrial Fibrillation and Stroke Thromboprophylaxis in hEart failuRe (AFASSTER) cohort study. *Global Heart Journal* 2014, 9(1): e264.

Ferguson C, Inglis SC, Newton PJ, **Middleton S**, MacDonald PS, Davidson PM. Thromboprophylaxis prescription in hospitalised patients with heart failure and concomitant atrial fibrillation: Preliminary findings from the Atrial Fibrillation and Stroke Thromboprophylaxis in hEart failuRe (AFASSTER) cohort study. *Global Heart Journal* 2014, 9(1): e109.

Bruch D, Middleton S, Martinez-Garduno C, Dale S. Beyond QASC: An evaluation of the international uptake of the QASC fever, sugar, swallowing protocols and implementation resources. *Cerebrovascular Diseases* 2014, 37(1): 325.

Middleton S, Comerford D, Lydtin A, Dale S, Hill K, Dunne J, D'Este C, Longworth M, Katalinic E, Tinsley M, Quinn C, Cadilhac D, Cheung W, Levi C. The QASC Implementation Project: Implementing evidence based care in stroke services throughout NSW, Australia. *Cerebrovascular Diseases* 2014, 37(1): 325.

Silver G, Groot P, Coote S, Mackay E, Baker E, Osbourne M, Dodd L, O'Brien E, **Middleton S**. The development of the Acute Stroke Nurse Education Network (ASNEN) in Australia. *Cerebrovascular Diseases* 2014, 37(1): 419.

Cadilhac D, Lannin N, Kildenny M, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, **Middleton S**, Anderson C. Variances in hospital mortality following stroke: experiences from the Australian Stroke Clinical Registry (AuSCR). *Cerebrovascular Diseases* 2014; 37 (1): 452.

Invited Lectures, Seminars & Presentations

(NRI staff in bold)

Middleton S. *Three Minute Thesis Competition.* Ingham Research Showcase Conference. Sydney, 28 November 2014. **Invited panel judge**

Middleton S. *The Quality in Acute Stroke Care (QASC) Implementation Project: Scale up and spread of research evidence in 36 NSW stroke services.* Ingham Research Showcase Conference. Sydney, 28 November 2014.

Middleton S. *The Quality in Acute Stroke Care (QASC) Implementation Project: Scale up and spread of research evidence in 36 NSW stroke services.* UNSW Therapeutic Centre Weekly Seminar. Sydney, 21 November 2014.

Middleton S. *Submitting a conference abstract – how to succeed.* Nursing Research Institute Symposium. Sydney, 14 November 2014.

Middleton S. *The Quality in Acute Stroke Care (QASC) Implementation Project: Upscale and Spread of Evidence Based Results after Publication.* 3rd Annual NHMRC Symposium on Research Translation. Melbourne, 13 November 2014.

Dale S. *The QASC Implementation Project.* 5 Minute Research Pitch. Melbourne, 11 October 2014. **Discipline Group One Winner Science & Health**

Middleton S. *The Quality in Acute Stroke Care (QASC) Implementation Project: Scale up and spread of research evidence in 36 NSW stroke services.* 2nd Biennial Australian Implementation Conference. Sydney, 17-18 September 2014.

Knowles S, McInnes E, Hardy J, Elliott D, Middleton S. *Pharmacological management of constipation in the intensive care unit.* St Vincent's Health Australia and Garvan Research Symposium. Sydney, 11-12 September 2014. [Poster Presentation].

Middleton S. *Getting the Simple Things Right.* Innovation in Health Conference, Victorian Health Quality Association. Melbourne, 16-17 June 2014.

Middleton S. *Australian Stroke Clinical Registry: An Update.* The Florey Institute of Neuroscience and Mental Health. Melbourne, 18-19 March 2014.

Middleton S. *The TIPS Trial. National workshop on stroke performance data, care quality and telemedicine.* Australian Stroke Trials Network. National workshop on stroke performance data, care quality and telemedicine. Australian Stroke Trials Network. The Florey Institute of Neuroscience and Mental Health. Melbourne, 18-19 March 2014.

Middleton S, D'Este C. *Conducting Cluster Randomised Controlled Trials.* National workshop on stroke performance data, care quality and telemedicine. Australian Stroke Trials Network. The Florey Institute of Neuroscience and Mental Health. Melbourne, 18-19 March 2014.

Middleton S. *The T³ Trial.* National workshop on stroke performance data, care quality and telemedicine. Australian Stroke Trials Network. The Florey Institute of Neuroscience and Mental Health. Melbourne, 18-19 March 2014.

Middleton S. *Translating evidence from the QASC Trial into 36 Australian stroke services in NSW: Upscale and spread of trial results into the real world.* Research Translation Symposium: Improving healthcare and patient outcomes through research translation. Australian Satellite of the Cochrane Effective Practice and Organisation of Care (EPOC) Group. Melbourne, 26 March 2014.



SVHA, Sydney - Seminars

The seminars held by the NRI in 2014 reinforced generic research skills in finding, appraising and implementing evidence to support clinical practice. These sessions presented research currently being conducted at SVHA Syd. Seminars were held at the St Vincent's Clinic and over 150 multi-disciplinary clinicians attended throughout the year.

2014 Nursing Research Seminar Programme, SVHA (Syd) & ACU		
Dates	Title of Session	Speaker
Monday 17th Feb	The AFASTER Study 'Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe: a cohort study	Mr Caleb Ferguson PhD Candidate, Faculty of Health, University of Technology
Wednesday 9th April	Doing research in a clinical setting-advice from a personal experience	Mr Nic Yacopetti, MN Clinical Nurse Consultant Vascular Access, Acute Pain Management
Tuesday 6th May	Research Reporting Tools	Ms Rosemary Phillips Research Assistant, Nursing Research Institute
Tuesday 3rd June	QASC implementation project	Dr Anna Lydtin, Project Officer, Nursing Research Institute
Thursday 31st July	Updating your skills on database search	Ms Caroline Yeh (To be held on Level 6, Conference Room) Walter McGrath Librarian, St. Vincent's Hospital
Tuesday 26th August	Mixed Methods Research	Prof Jane Phillips, Professor Palliative Nursing, Cunningham Centre for Palliative Care
Monday 22nd September	What is a meta-analysis?	A/Prof Elizabeth McInnes, A/Professor & Deputy Director, Nursing Research Institute
Tuesday 14th October	Building the research capacity in allied health	Prof Vicki Flood, Allied Health Professor, St. Vincent's Hospital
Thursday 27th November	Implementing guidelines: An evaluation of the international uptake of the QASC Fever, Sugar, Swallowing protocols and implementation resources	Dr Cintia Martinez-Garduno Research Assistant, Nursing Research Institute

Conferences

(NRI staff **in bold**, SVHA, Syd Clinicians underlined)

Conference and Citations	Presented by
World Heart Federation's World Congress of Cardiology 2014. Melbourne, 4-7 May 2014.	
<u>Ferguson C</u> , Inglis S, Newton PJ, Middleton S , MacDonald PS, Davidson PM. Frailty and thromboprophylaxis prescription in heart failure and atrial fibrillation: Preliminary findings from the Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (FASTER) cohort study.	External
European Stroke Conference. Nice, France, 6-9 May 2014.	
<u>Cadilhac D</u> , Lannin N, Kilkenny M, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, Middleton S , Anderson C. Variances in hospital mortality: what we are learning from the Australian Stroke Clinical Registry. [ePoster Pres.]	NRI
Middleton S , Comerford D, <u>Lydtin A</u> , Dale S , Hill K, Dunne J, D'Este C, Longworth M, Katalinic E, Tinsley M, Quinn C, Cadilhac D, Cheung W, Levi C. The QASC Implementation Project: Implementing evidence based care in stroke services throughout NSW, Australia. [ePoster Presentation]	NRI
Bruch D , Middleton S , Martinez-Garduno C , Dale S . Beyond QASC: An evaluation of the international uptake of the QASC fever, sugar, swallowing protocols and implementation resources. [ePoster Presentation]	NRI
<u>Silver G</u> , Groot P, Coote S, Mackey E, Baker E, Osbourne M, Dodd E, O'Brien E, Middleton S . The development of the Acute Stroke Nurses Education Network (ASNEN) in Australia. [ePoster Presentation]	External
<u>Ferguson C</u> , Inglis SC, Newton PJ, Middleton S , MacDonald PS, Davidson PM. The Atrial Fibrillation And Stroke Thromboprophylaxis in hEart failuRe (FASTER) cohort study: 90 day outcomes.	External
Australasian Neuroscience Nurses' Association Conference. Canberra, 7-9 May 2014.	
Dale S , Middleton S , <u>Lydtin A</u> , Tinsley M, Dunne J, Patterson S, Grimshaw J, Hill K, Katalinic E, Quinn C, Drury P , Ryan F, O'Brien E. The QASC Implementation Project: Implementing evidence based care in stroke services throughout NSW, Australia.	NRI
Dale S , Middleton S , Bruch D , Martinez-Garduno C , Dale S . Has there been international uptake of the QASC fever, sugar, swallowing protocols?	NRI
International Primary Care Respiratory Group Conference. Athens, Greece, 21- 24 May 2014.	
<u>Zwar NA</u> , Bunker J, Reddel H, Dennis S, Middleton S , Van Schayck O, Crockett A, Hasan I, Hermiz O, Vagholkar S, Marks G. Case-Finding and Early Intervention for COPD by Practice Nurse-GP Teams.	
Innovation in Health Conference. Victorian Health Quality Association. Melbourne, June 16-17 2014	
Middleton S . Getting the Simple Things Right.	
American Diabetes Association 74th Scientific Sessions. San Francisco, USA, 13-17 June 2014.	
<u>Cheung NW</u> , Levi C, McElduff P, Ward J, Grimshaw J, Dale S , D'Este C, Griffiths R, Quinn C, Drury P , Evans M, Cadilhac D, Middleton S . Glucose Management in a Cluster Randomized Trial of Evidence-Based Treatment Protocols for Acute Stroke (QASC). [Poster Presentation]	External
16th International Aphasia Rehabilitation Conference. Netherlands, 18-20 June 2014.	
<u>Godecke E</u> , Armstrong E, Bernhardt J, Middleton S , Rai T, Holland A, Cadilhac D, Whitworth A, Rose M, Ciccone N, Hankey G. Very Early Rehabilitation in SpEEch (VERSE): Progress on an Australian randomised controlled trial of aphasia therapy after stroke.	External
Primary Health Care Research Conference. Canberra, 23-25 July 2014.	
<u>Zwar NA</u> , Reddel H, Dennis S, Middleton S , van Schayck O, Crockett A, Hasan I, Hermiz O, Vagholkar S, Marks G. Case-finding and early intervention for chronic obstructive pulmonary disease by practice nurse-GP teams.	External

Conference and Citations	Presented by
Stroke 2014. Hamilton Island, 30 July-1 August 2014.	
Muñoz Venturelli PA, Arima H, Lim J, Lavados P, Middleton S , Watkins C, Robinson T, Heritier S, Hackett M, Olavarria V, Heeley E, Lindley R, Anderson CS. The Head Positions in Acute Stroke Trial (HeadPost): Background and rationale. [Poster Presentation]	NRI
Middleton S , Coughlan K, Mnatzaganian G, Jammali-Blasi A , Dale S, D'Este C, Low Choy N. Feasibility of long term follow-up of Quality in Acute Stroke Care trial participants: an evaluation of data linkage from State and National death registries. [Poster Presentation]	NRI
Cadilhac D , Lannin N, Kilkenny M, Kung F, Grabsch B, Donnan G, Levi C, Dewey H, Hill K, Faux S, Grimley R, Middleton S , Anderson C. The Australian Stroke Clinical Registry – a national tool responsive to state needs.	NRI
Dale S , Martinez-Garduno C, McInnes E, Middleton S . How ethical is the process of ethics and governance review for multi-site trials? Results from the T ³ Trial.	NRI
Dale S , Middleton S , Bruch D, Martinez-Garduno C . After QASC: International uptake of the QASC fever, sugar, swallowing protocols. [Poster Presentation]	NRI
Middleton S . Session chair. Keynote 2 – Physiology to improve recovery.	NRI
Middleton S . Session chair. Free papers 4 – Optimizing models of care.	NRI
Middleton S . Session chair. Workshop 3 – Acute Stroke Nurse Education Network.	NRI
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Professional Affiliations

Professor Sandy Middleton

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