Monash Health Strategic Plan 2013 - 2018

We put our patients first

We drive innovation

We partner strategically for outstanding outcomes

We lead sustainable healthcare

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I proudly present the fifth Monash Health Nursing and Midwifery Research Report. This report showcases research achievements of nurses and midwives at Monash Health from January to December 2017.

Over the past year nursing and midwifery research has gone from strength to strength. We have seen an increase in grant applications as well as an increase in grant success. We continue to work collaboratively with our partners, thus enabling our focus to be on those clinical care areas that really require a stronger evidence base, and that link to the Monash Health vision of exceptional care, outstanding outcomes.

The profiling and celebration of the research undertaken is an important strategy to help grow the interest and enthusiasm of the next generation of nurses and midwives. In 2017 we were able to showcase some of the important research completed at our annual research week events where we held nursing and midwifery research presentations across our sites. Significant numbers of nurses and midwives attended these and we will be aiming to further improve attendance at our research week celebrations in 2018.

The format of our report allows us to acknowledge the success of individuals and teams which in turn contributes to the overall impact that nursing and midwifery research is having at Monash Health and ultimately on patient care. You will see that as in previous reports we have made direct links between the research undertaken and the National Safety and Quality Healthcare Standards.

Finally I would like to acknowledge and thank our major nursing and midwifery research partners, Deakin University and Monash University, who continue to demonstrate that through strong partnerships and collaboration the seemingly impossible can be achieved.

Adjunct Professor Cheyne Chalmers
Executive Director - Residential and Support Services/Chief Nursing and Midwifery Officer
The Partnership between Deakin University and Monash Health was established in May 2006. This partnership has resulted in the development of the Centre for Quality and Patient Safety Research - Monash Health Partnership, which is based at Monash Medical Centre, Clayton. Researchers within the Centre conduct research activities across all Monash Health sites.

Current research activities

In promoting the nexus between research, education and practice, the themes of knowledge translation, person-centred care, decision making, and patient safety and risk management underpin the research conducted by the Centre. The program of research centres on four areas of nursing practice and development: symptom management, care of the older person, chronic disease and workforce development.

Vision

To be nationally and internationally recognised as a centre of excellence in nursing research in the areas of quality, safety and risk management.

Aim

To conduct high quality research that informs clinical practice, policy development and education.

Objectives

• To conduct research in the areas of quality, safety and risk management with the aim of enhancing the independence and wellbeing of individuals in clinical and aged care settings.

• To encourage and support nurse clinicians to participate in research activities.

• To promote the integration of research findings into educational programs, health care policy and clinical practice.

• To develop and support research collaboration between Monash Health, Deakin University and other industry partners.
Monash Women’s Midwifery Research

Current research activities
A major body of work in 2017 was the introduction of the My Baby’s Movements Phone App at Monash Women’s, which is part of an Australian-New Zealand study. Prof East is one of the investigators on this NHMRC-funded project.

Cochrane systematic reviews, audits of clinical outcomes and surveys continue to support the endeavour to provide evidence-based care. Prof East was also the Monash lead in a survey, led by Dr Ingrid Mogren and conducted in six countries, of the impact of pregnancy ultrasound on clinical practice.

Significant achievements
The participation of Monash Women’s Midwifery Research in the Diabetes and Milk Expression (DAME) randomised trial resulted in publication and authorship in The Lancet.

Professor East is an investigator on the NHMRC-funded Centre for Excellence in Stillbirth, thus ensuring that Monash Women’s has a role in the development and implementation of the highest quality of evidence for our vulnerable babies and their families.

Objectives
• To provide research leadership in the discipline of midwifery with the development of a national reputation for Monash in research excellence.
• To develop a research culture in Monash Women’s Maternity Services and Monash University School of Nursing and Midwifery.
• To establish a strong program of research, attract external funding and publish in top-tier journals.
• To engage with the research agenda of Monash Health, Nursing and Midwifery.

Monash Women’s Midwifery Research was established in February 2012, with the appointment to Monash Health of Professor of Midwifery/Co-Director of Maternity Services.

The research focus of “Improving and evaluating the health of mothers and babies” provides the overarching direction for the numerous research projects, randomised controlled trials, systematic reviews and clinical audits. Research Assistants facilitate project recruitment/management at Monash Health.

Support for clinical midwifery projects is a key functional component of the research, along with collaborations with external groups and with colleagues from the Monash University School of Nursing and Midwifery.

Research focus
The program of midwifery research continues to focus on “Improving and evaluating the health of mothers and babies”. This focus provides an overarching direction for many projects and related activity.

Professor Christine East
Professor of Midwifery
RN RM DipAppSc (Clin Nurs) BAppSc (Nurs) Grad Cert Health Studies (Ev Based Prac) Grad Cert Univ Teaching MMedSc PhD

Professor Christine East

Professor Christine East

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Professor Christine East

Professor Christine East
Monash Emergency Nursing Research

Vision

The Monash Health and Monash University collaboration will strive for exceptional care through the translation of evidence-based care into emergency practice.

Aim

The professorial appointee aims to lead and cultivate the highest standards in emergency nursing research and clinical care. The position will increase emergency nursing’s research capacity across Monash Health EDs by bringing together clinical and research expertise to conduct rigorous, multidisciplinary and inter-professional research that reflects national, state, health service, staff and patient priorities. Research activity will be increased through mentoring and supervising both research students and clinicians in a collegiate and supportive manner to help build a high-performance research culture. The emergency nurses will continue to collaborate on important multidisciplinary and inter-professional research across Monash Health, and will be supported to lead research projects to improve patient care by finding the gaps in care, designing researchable questions and conducting research to produce work of the highest quality and impact.

Objectives

Through excellence in research and its translation into emergency care, Monash emergency nursing research will:

- Significantly contribute to the health and wellbeing of the community served by Monash Health and Monash University partner organisations.
- Grow Monash Health and Monash University nursing research, where clinicians and researchers will produce work of the highest quality and greatest positive influence on patient outcomes.
- Be distinguished by inter-professional, multidisciplinary and patient-focused collaborative research that will be nationally and internationally renowned for emergency nursing knowledge discovery, transfer and impact through enhanced patient outcome measures.
Highlights

Awards

Cignarella, Anthony
Winner Best Oral Presentation,
Best First Time Presenter.
Organ donation within the intensive care unit: A retrospective study.
Transplant Nurses’ Association Annual Conference, 16-17 November 2017, Melbourne, Australia.

Hashim, Sarena
New Investigator Poster - Midwifery.
Knowledge of signs and symptoms of hypertensive disorders of pregnancy among pregnant women in Brunei Darussalam: A quantitative study.
21st Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), 2-5 April 2017, Canberra, Australia.

Redley, Bernice
Shortlisted for best paper.
Preventing harm to older people in hospital: An analysis of the standard risk screening and assessment forms used in hospitals.

Taranto, Jess
Recipient of 2017 Joan Hardy Scholarship.
Parents’ and carers’ experience of family centred care during an extended stay in Stage 1 PACU.
Royal Children’s Hospital and Deakin University.

60 Publications

28 Conference presentations

$10,997,743 Cumulative grant funding

29 Research projects in progress

34 Research grants

60 Honorary and visiting researchers

37 Research students
Research projects in progress

► Poorer detection rates of severe fetal growth restriction in women of likely refugee background
Biro, M. A., & East, C. E.
While detecting FGR is clinically challenging, our findings suggested that maternity services need to be supported to offer care tailored to the specific needs of vulnerable and disadvantaged populations. Providing quality, culturally responsive and accessible care is fundamental to addressing refugee maternal and perinatal health inequalities.
Status: Published.

► Using the Nippita classification system for women undergoing induction of labour in a large metropolitan maternity service: Bringing simplicity and certainty to an important quality improvement process
Biro, M. A., & East, C. E.
In 2015 Nippita and colleagues developed a novel system to classify women undergoing induction of labour (IOL), which sought to overcome the problems of indication-based classification. We explored the utility and feasibility of this new system at Monash Health in Melbourne. We found overall induction rates of 24.7% compared with the New South Wales rates of 25.4% reported by Nippita et al.
Status: Published.

► Perinatal mental health of women of refugee background
This project aims to explore perinatal mental health issues for women of refugee background and to inform appropriate screening, referral and management of mental health issues to improve pregnancy care. It includes a novel form of perinatal mental health screening through partnership with ICOPE, involving the use of an iPad survey that triggers information for the woman to access and uploads to the clinical record.
Status: Ongoing.

► Listen to me, I am really sick! Understanding patient and family perspectives in triggering responses to medical emergencies
Bucknall, T. K., & Hutchinson, A. M.
This study is designed to investigate the role and influence of patients and relatives in triggering responses from health professionals to critical patient deterioration in hospital and to identify communication strategies that may decrease preventable serious adverse events (SAEs).
Status: Ongoing.

► Prioritising responses of nurses to deteriorating patient observations (PRONTO)
Vital signs are the primary measure of physiological functioning. If signs of deterioration are missed, misinterpreted or mismanaged, serious consequences for the patient may ensue. Evidence exists to show that early recognition and treatment of deterioration leads to better patient outcomes. Despite this, failure to escalate care in response to signs of deterioration is relatively common in hospitals. The aim of this study is to measure the clinical effectiveness and cost of a facilitation intervention to improve nurses’ vital sign measurement and interpretation, as well as their treatment of and escalation for patients with abnormal vital signs.
Status: Data collected. Analysis in progress.

► Quantifying the risk of transfers from subacute to acute care: Using a horizon scan and prospective nested cohort study to develop a predictive model
Considine, J., Botti, M., Hutchinson, A. M., Bucknall, T. K., Dunning, T., Hutchinson, A., Street, M., & Rawson, H.
Subacute care is often delivered in facilities that are geographically separated from acute care hospitals. When patients in subacute care require an unplanned transfer to acute care, their outcomes are poor. They have high rates of hospital admission and a four times higher in-hospital death rate than expected for their age group. The aims of this study are to: describe organisational structures and processes related to subacute care delivery (admission decisions, patient assessment and management of deterioration); identify if there are differences in characteristics of subacute care patients who do, and do not, require unplanned transfer to acute care; and develop a model to estimate the risk of unplanned transfer from subacute to acute care. This study was undertaken at five health services across Victoria.
Status: Data collected. Analysis in progress.
Diabetes in pregnancy: Its impact on development of the fetal kidneys and urinary tract
The development of the fetal kidneys occurs over weeks 5-36 of pregnancy. Previous research studies have shown that high levels of glucose - a form of sugar, in the maternal blood during pregnancy, can affect development of the fetal kidney, with some cases developing abnormalities of the kidney and urinary tract. This research project is being undertaken in order to further our knowledge of the effects of maternal blood glucose levels in pregnancy and specifically, high glucose levels, on fetal kidney development.
Status: Manuscript in preparation.

Development of a generic protocol for Cochrane systematic reviews of breastfeeding
As a Cochrane editor responsible for breastfeeding reviews, Professor East joined many others in their concern about the lack of consistency in breastfeeding definitions and outcomes reported in trials. To address this, an international team is developing a Delphi study to assist in generating consensus on breastfeeding definitions and study outcomes, informed in part by the systematic review of outcomes conducted by L. Jones. The findings will then inform the development of a generic protocol to guide future Cochrane systematic reviews. A first step in collating the team’s deliberations is the commentary of the importance of mandatory and consistent routine breastfeeding data collection in health.

Support during pregnancy for women at increased risk of low birth weight babies: Cochrane systematic review
East, C. E., Biro, M. A., Fredericks, S., & Lau, R.
Low birth weight babies are at increased risk of poor outcomes during pregnancy, infancy and throughout life. This systematic review of randomised controlled trials compare the effectiveness of social support programs with no support, on the prevalence of low birth weight.
Status: In progress.

My baby’s movements: A stepped wedge cluster randomised trial of maternal awareness and reporting of decreased fetal movements to reduce stillbirth
Flenady, V., Gardener, G., Middleton, P., Coory, M., Ellwood, D., Crowther, C., East, C. E., Callander, E., Norman, J., & Boyle, F.
For many pregnant women, the movements made by their unborn baby provide a key to the baby’s wellbeing. A change in movement patterns may be a warning sign. In this multicenter stepped wedge cluster randomised trial, women are reminded to think about their babies’ movements, through the use of smartphone technology.
Status: Ongoing.

Diabetes and antenatal milk expressing (DAME) trial: RCT
Diabetes in pregnancy is increasing, with infants of women with diabetes at increased risk of fetal and neonatal morbidities, and of developing diabetes. This trial tested the efficacy and safety of antenatal milk expressing in women with diabetes in pregnancy. It tested a primary hypothesis that infants of women with diabetes in pregnancy who commence antenatal expressing of colostrum from 36 weeks gestation will be more likely to be admitted to the SCN/NICU after birth.
Status: Published.

Ringing up about breastfeeding (RUBY): RCT
This collaborative randomised controlled trial compares breastfeeding success for women who receive support from another woman who has breastfed, compared to not receiving this support.
Status: Findings analysed.

Weight management during pregnancy: A qualitative study of women’s and care providers’ experiences and perspectives
Holton, S., East, C. E., & Fisher, J.
The aim of this project was to describe women’s and midwives’ experiences and perspectives of care for weight management during pregnancy in Melbourne, Australia. The findings suggested that women with high BMI would benefit from additional information and support about weight management prior to conception, during pregnancy, and postnatally.
Status: Published.

Using an audit with feedback knowledge translation intervention to promote safety and quality in health care
Hutchinson, A. M., Bucknall, T. K., & Sales, A. E.
The broad aim of this study is to refine and test a knowledge translation intervention, namely audit with feedback, to promote reporting of errors and incidents in the acute care setting.
Status: Ongoing.

Partnering with patients in medication administration
Hutchinson, A. M., Bucknall, T. K., Manias, E., Botti, M., & Rawson, H.
Medication errors are the second most common type of medical error in Australian hospitals. A brochure was developed to inform patients about the checking procedures nurses are required to follow when administering medications. The aim is to examine feasibility and the effect of this brochure on medication errors.
Status: Data collection. Analysis in progress.
► Reducing harm, in the acute hospital setting, to people displaying symptoms associated with a neurocognitive disorder


People displaying behavioural and psychological symptoms related to neurocognitive disorders are at high risk of experiencing preventable harm during hospitalisation. Tailored interventions can help reduce symptoms, and reduce the risk of harm or complications. The aim of this project is to increase uptake of best practice guidelines by ward staff. Status: Ongoing. Analysis in progress and conference papers presented.

► Improving the safety and quality of emergency department management for women with heart attacks

Kuhn, L., Page, K., Mohebbi, M., van Gaal, W., & Considine, J.

For the most severe type of heart attack known as ST elevation myocardial infarction (STEMI), women receive less evidence-based management to reopen blocked coronary arteries and have twice the in-hospital mortality compared to men. These findings, borne out of Kuhn’s PhD research, are consistent with international studies that find women with heart attack are under-treated. However, reasons for the disparities have not been explained and predictors of delay to evidence-based management have not been investigated. The aims of this two-phase study are to: first, determine the factors associated with delayed heart attack management of women during emergency department care; and second, develop and test an exploratory predictive model for risk of delays in ED management of women with STEMI. The development and testing of a robust model for risk of delayed STEMI management in women will improve patient safety. This model is intended to reduce STEMI-related mortality and morbidity by informing targeted strategies to increase early diagnosis and expedite access to evidence-based ED care. Status: First phase complete. Publication under review. Conference abstract accepted.

► Simulation skills training for medical and midwifery students


This series of projects formed Dr Kumar’s PhD thesis, in which a range of interprofessional and simulation learning experiences were developed, delivered and evaluated. Status: Published.

► The CROss Country Ultrasound Study (CROCUS)

Mogren, I., & East, C. E.

The CROCUS project aims to explore obstetricians’ and midwives’ experiences and views on the role of obstetric ultrasound in clinical management and care, including ethical aspects in low-, middle-, and high-income countries. The first step was undertaken with data collected by interviews with obstetricians and focus group discussions with midwives. The results informed the development of the current survey, that seeks representative samples of obstetricians, midwives and sonographers from each country. Status: Surveys conducted December 2017 – January 2018.

► A randomised controlled trial of single dose femoral nerve block versus femoral nerve block infusion for adults with a fractured neck of femur in the ED

Morphet, J., Clothier, V., Innes, K., Jones, T., Meek, R., & Kuhn, L.

This study seeks to compare single-dose femoral nerve block with femoral nerve block infusions in patients presenting to the ED (Emergency Department) with a fractured neck of femur. Current common practice is the use of single-dose femoral nerve blocks only given once at patient presentation in the ED. There are concerns that many patients are not receiving definitive care (operation) by the time this block is no longer effective, and that this vulnerable patient cohort receive significant doses of opioids which is not optimal management.

Status: Implementation stage.

► Design matters for nurses: Hospital workplace design for attraction and retention of nurses

Nacarella, L., Buchan, J., & Redley, B.

This collaborative research project between HASSELL (an international design firm) and The University of Melbourne (Health Systems and Workforce Unit) was funded by a Commonwealth Department of Industry Research Connections Grant. In 2015 HASSELL received this grant to work in partnership with The University of Melbourne to conduct complementary research in Australia and Scotland. This research was designed to identify nurse experiences about how hospital design influences nursing staff attraction and retention, to inform the development of a hospital design exercise. Status: Analysis complete.

► Victorian Public Residential Aged Care Services (PSRACS) Workforce Census

Rawson, H., Chalmers, C., & Hutchinson, A. M.

Many health services have identified workforce issues as a significant challenge in residential aged care. This project examined the current public sector residential aged care workforce profile across Victoria for the Department of Health. Status: Manuscript submitted. Report submitted to PSRACS committee and Department of Health. Conference paper.

► Nursing management of older patients in the Emergency Department (NCOPED)

Rawson, H., Considine, J., Bennett, P. N., Hutchinson, A. M., & Chapman, R.

This study explored how emergency nurses manage the care needs of older patients in the ED including identifying enablers and barriers that impact on managing care. Gaining an understanding of how emergency nurses are able to meet the multifaceted care needs of older patients in the ED will lead to developing ecologically valid strategies that can assist nurses in meeting the care needs of older patients. Status: First paper published.
► Engaging family members in, and building their understanding of, residential aged care: Adaption of the Tri-focal Model of Care education program
Rawson H., Walker H., Forbes H., O’Connell B., & Hutchinson, A. M.

The importance of family members’ involvement in the care of their relative in residential aged care facilities is reflected in the benefits to residents’ quality of life. Adaption of the Tri-focal Model of Care education program will assist family members in understanding aged care and the care environment, and arm them with knowledge to support their family member living within a residential aged care facility. Expected outcomes include empowerment of family members to become partners in care planning and decision making in order to optimise quality of life for their relative living in residential aged care.

Status: Publication in progress.

► Risk screening and assessment for avoiding preventable harm in older people in hospital
Redley, B.

The purpose of this project was to examine how Victorian health services operationalise standard risk screening and assessment tools in relation to preventing harm to older people in hospital and elicit good practice examples to guide ongoing quality improvement. 152 standard assessment tools from 11 Victorian health services were examined; and 69 staff from nine hospitals participated in focus groups that were guided by six draft standards for good practice. The outcomes provide practice standards and recommendations to guide use of standard assessment tools and strategies to prevent harm to older people in hospital.

Status: Published and presented at conference.

► Patient and family experience of participation in interprofessional rounds on acute inpatient medical wards
Redley, B., McTier, L., Botti, M., Hutchinson, A. M., Bucknall, T. K., Campbell, D., & Newnham, H.

This research was to pilot a novel method and tools to explore and measure patient experiences of participation during acute inpatient ward rounds using a heterogeneous cohort of acute General Medicine patients. The outcomes will provide evidence of patient participation in acute care and assist in identifying areas for further research, clinical practice improvement and interdisciplinary education.

Status: Published and presented at conference.

► Group pregnancy care for refugee background women
Riggs, E., Yelland, J., Brown, S., Mensah, F., Middleton, P., Kaplan, I., East, C. E., Oats, J., & Gold, L.

This multisite project is led by the Murdoch Children’s Research Institute and involves inter-agency collaboration between public maternity hospitals, resettlement services and maternal and child health (MCH) services. The model involves the provision of multifaceted, culturally appropriate preventive health care, information and support to refugee women during and after pregnancy in a group setting.

Status: Commenced.

► Care co-ordination interventions to improve outcomes during pregnancy and early childhood (up to 5 years)

The objectives of this Cochrane systematic review are (i) to assess the effects of interventions designed to improve care co-ordination between separately funded services during pregnancy and early childhood (up to 5 years); and (ii) to provide a brief economic commentary that will summarise the availability and principal findings of eligible economic evaluations.

Status: Protocol published.

► Bridging the Gap: Addressing refugee inequalities through primary care reform

Monash Health is a key partner in an initiative involving eleven organisations spanning health services, government and research, that is working to achieve change in how maternity and early childhood services support families of refugee background. Bridging the Gap was designed as a multi-phase, quasi-experimental study. Evaluation methods included use of interrupted time series design to examine health service use and maternal and child health outcomes over a 3-year period of implementation. Process measures examined refugee families’ experiences of specific initiatives and service providers’ views and experiences of innovation and change. Professional training days and the “Language in labour” project were two initiatives within this project.

Status: Published.
Hutchinson, A. M.

Hutchinson, A. M.
Caring for Older People FutureLearn social learning short courses. Interview on Deakin’s free short course offered through FutureLearn that is designed for the ‘sandwich generation’. 5th September 2017. 774 ABC Radio Melbourne Breakfast.

Hutchinson, A. M.
Caring for Older People FutureLearn social learning short courses. Interview on Deakin’s free short course offered through FutureLearn that is designed for the ‘sandwich generation’. 5th September 2017. ABC Radio Canberra.

Kuhn, L.

Kuhn, L.
Women are being warned that their heart attack symptoms are different. 21st March 2017. Southern Cross Nightly News, Jo Palmer. Southern Cross Tasmania, Hobart.

Kuhn, L.
Symptoms of heart attack are different for men and women. 21st March 2017. Seven News, Sharyn Ghidella and Bill McDonald. Channel 7, Brisbane.

Kuhn, L.
A new study has shown that women who suffer heart attack are more likely to die. 21st March 2017. Seven News at 4pm, Kendall Gilding. Channel 7, Brisbane.

Kuhn, L.
Melbourne researchers have found women who suffer heart attacks have greater delays to treatment. 21st March 2017. Seven News at 4pm, Ann Sanders. Channel 7, Melbourne.

Kuhn, L.
The way women handle a heart attack can give them greater risk of dying. 21st March 2017. Interview Breakfast show, Ross Stevenson and John Burns. 3AW, Melbourne.

Kuhn, L.
A study investigating the different outcomes for heart attacks between men and women. 21st March 2017. Interview with Red Symons. ABC Radio Melbourne.

Kuhn, L.

Kuhn, L.

Nacarella, L., & Redley, B.

Nacarella, L., Sheahan, M., & Redley, B.

Redley, B. (Producer)
Large-scale linked and clinical data to quantify and address gender-based variation in cardiovascular disease risk factors, incidence, care and outcomes

Banks, E., Kritcharides, L., Brieger, D., Chalmers, J., Rudge, S., Korda, R., Kuhn, L., Joshy, G., & Hickey, M.

NSW Cardiovascular Research Network: Women and Heart Disease Grant, National Heart Foundation. 2017.

$149,147

Supporting patient activation and participation through multimedia: The Mystay project

Botti, M., Hutchinson, A., Redley, B., DeSteiger, R., & McDonell, J.

Philanthropic organisation requests to be Anonymous 2017

$ Not published

Prioritising responses of nurses to deteriorating patient observations (PRONTO)


National Health and Medical Research Council (NHMRC) Partnership project funding 2015

$978,213

Safe medication management in hospital settings

Bucknall, T. K., Manias, E., Hutchinson, A. M., Weir-Phyland, J., Dooley, M., Fossum, M., Botti, M., Considine, J., Dunning, T., & Hutchinson, A.

Deakin University Centre for Quality and Patient Safety Research Partnership Grant 2014

$62,265

Standard risk screening and assessment tools to prevent harm to older people in hospitals

Chin-Yen, H., & Redley, B.

Taiwan: Ministry of Science and Technology Grant, Government of Taiwan 2017

$1,454 (TWD $33,000)

Quantifying the risk of unplanned transfer from subacute to acute care: Using a horizon scan and prospective nested cohort study to develop a predictive model

Considine, J., Botti, M., Hutchinson A. M., Bucknall, T. K., Dunning, T., Hutchinson, A., Street, M., & Rawson, H.

Deakin University Centre for Quality and Patient Safety Research Partnership Grant 2014 - 2015

$55,968

Exploring practitioner and student experiences of workplace dignity during work-integrated learning (WIL): A narrative interview study across six professions

Crampton, P., Rees, C., Coles, J., Morphet, J., Clemans, A., Jacobs, N., McKewon, T., Seeck, K., & McKenna, L.

Monash Learning & Teaching Research Grant

$19,959

Centre for Research Excellence in Stillbirth


National Health and Medical Research Council (NHMRC) 2017 - 2021

$2,100,000

My baby’s movements: A stepped wedge cluster randomised trial of maternal awareness and reporting of decreased fetal movements to reduce stillbirth

Flenady, V., Gardener, G., Middleton, P., Coory, M., Ellwood, D., Crowther, C., East, C. E., Callander, E., Norman, J., & Boyle, F.

Centre for Reproductive Health (UK), National Health and Medical Research Council (NHMRC) Project Grant 2014 - 2018

$1,364,274

ARC Industrial Transformation Research Hub for Digital Enhanced Living


Australian Research Council 2017 - 2020

$2,962,655

Understanding the influence of the Tri-Focal Model of Care on indicators of quality in residential aged care


Deakin University Centre for Quality and Patient Safety Research Partnership Grant 2014

$30,680.10

Using an audit with feedback knowledge translation intervention to promote safety and quality in health care

Hutchinson, A. M., Bucknall, T. K., & Sales, A. E.

Australian Research Council (ARC) Linkage Grant 2012 - 2016

$188,386

Partnering with patients in medication administration

Hutchinson, A. M., Bucknall, T. K., Manias, E., Botti, M., & Rawson, H.

Nurses Board of Victoria Legacy Limited (NBVLL) Mona Menzies Postdoctoral Research Grant 2015

$49,985

Reducing harm, in the acute hospital setting, to people displaying symptoms associated with a neurocognitive disorder


Dementia Collaborative Research Centres 2016

$197,025

Improving documentation at transitions of care for complex patients

Manias, E. M., Bucknall, T. K., Hutchinson, A. M., Botti, M., & Allen, J.

Australian Commission on Safety and Quality in Health Care (ACSQHC) & Sax Institute 2016

$34,100

Midwifery and medical students’ knowledge, self-efficacy and satisfaction following simulation of inter-professional management of primary postpartum haemorrhage

McLelland, G., Hall, H., Plummer, V., Dix, S., Tremayne, A., Kumar, A., East, C. E., Carr, B., Buttigieg, H., & Fernando, S.

Monash University Learning and Teaching Research Grant 2017-2018

$15,000
Prevention of adverse child behavioural development following maternal depression in pregnancy
Milgrom, J., Skouteris, H., Galbally, M., East, C. E., & Glover, V.
National Health and Medical Research Council (NHMRC) Project Grant 2018-2022
$794,828

Implementation of faculty evaluation strategy: Impact and outcomes of Monash University health science and health profession courses using contribution analysis
Morphet, J.
Monash Learning & Teaching Research Grant
$44,558

Clinical decision making in final year undergraduate nursing students
Morphet, J.
Monash Education Academy
$5,000

Exploring practitioner and student experiences of workplace dignity during work-integrated learning (WIL): A narrative interview study across six professions
Morphet, J.
Monash Learning & Teaching Research Grant
$19,959

Setting the agenda for health professional education research at Monash University: A cross-faculty research priority setting exercise
Morphet, J.
Monash Learning & Teaching Research Grant
$19,900

A randomised controlled trial of single-dose femoral nerve block versus femoral nerve block infusion for adults with a fractured neck of femur in the emergency department
Morphet, J., Clothier, V., Innes, K., Jones, T., Meek, R., & Kuhn, L.
Monash University Strategic Development Grant
$19,999

Clinical decision making in final year undergraduate nursing students
Morphet, J., Innes, K., Dix, S., Kiprillis, N., Jones, T., & O’Halloran, M.
Monash Education Academy
$5,000

Dignity in work-integrated learning (WIL): Supporting students and supervisors
Rees, C., Coles, J., Morphet, J., Clemens, A., Jacobs, N., McKeown, T., Seeer, K., Crampton, P., & Davis, C.
Monash Inter Faculty Transformation Grant
$74,888

The Tri-focal Model of Care: Teaching and Research Aged Care Services (TRACS)
O’Connell, B., Hutchinson, A. M., Bucknall, T. K., & Hawkins, M.
Department of Health & Ageing Tender 2012-2014
$660,000

Victorian Public Sector Residential Aged Care Services (PSRACS) Workforce Census
Rawson, H., Chalmers, C., & Hutchinson, A. M.
Department of Health 2014
$60,000

Engaging family members in, and building their understanding of, residential aged care: Adaption of the Tri-focal Model of Care education program
Rawson, H., Walker, H., Forbes, H., O’Connell, B., & Hutchinson, A. M.
Deakin University Centre for Quality and Patient Safety 2015
$14,000

Managing the care of older patients in the emergency department (NCOPED)
Rawson, H., Considine, J., & Bennett, P. N.
Deakin University Centre for Quality and Patient Safety Research Partnership Grant 2013-2015
$48,253

Risk screening and assessment for avoiding preventable harm in older people in hospital
Redley, B.
Department of Health and Human Services, Victoria, Clinical Leadership Group on Care of Older People in Hospital 2014-2015
$35,000

Patient and family experience of participation in interprofessional rounds on acute inpatient medical wards
Redley, B., McTier, L., Botti, M., Hutchinson, A. M., Bucknall, T. K., Campbell, D., & Newnham, H.
Deakin University Centre for Quality and Patient Safety Research Partnership Grant 2014-2015
$47,936

Setting the agenda for health professional education research at Monash University: A cross-faculty research priority setting exercise
Rees, C., Crampton, P., Brock, T., Brown, T., Mundy, M., Hall, H., Oliaro, L., Palermo, C., Paynter, S., Morphet, J., Williams, B., & Wright, C.
Monash Learning & Teaching Research Grant
$19,900

Strategic partnerships for refugee and asylum seeker health: Improving access, health literacy and social inclusion
Victorian Department of Premier and Cabinet, Office of Multicultural Affairs and Citizenship 2016-2020
$640,000

Understanding context in knowledge translation
Canadian Institutes of Health Research 2014
$264,238

Perspectives of family participation in patient care in adult ICU
Wong, P., Redley, B., & Bucknall, T.
Quality and Patient Safety Strategic Resource Centre Seeding Grant, Deakin University 2017 - 2018
$15,173
Publications


Conference presentations


Research students

- Aldaihani, Mishal PhD
  Dr Julia Morphet – Associate Supervisor, Monash University
  Exploring clinical competency of the new graduate in the Emergency Department in Saudi Arabia.

- Alharbi, Muna PhD
  Dr Julia Morphet – Principal Supervisor, Deakin University
  The impact of nursing students’ usage of social media on their retention: Mixed methods study.

- Allen, Jacqui PhD
  Professor Alison Hutchinson – Associate Supervisor, Deakin University
  Development of a person-centered transitional care model for older people.

- Alshammari, Fahad PhD
  Dr Julia Morphet – Associate Supervisor, Monash University
  Quality assurance in the Kingdom of Saudi Arabia.

- Allsop, Sharon Honours
  Dr Julia Morphet – Associate Supervisor, Monash University
  Quality of life in patients following a total knee joint replacement.

- Blake, Melissa PhD
  Professor Alison Hutchinson – Associate Supervisor, Deakin University
  The influence of contextual factors on breastfeeding a late preterm infant in a Special Care Nursery.

- Brotto, Vanessa PhD
  Professor Alison Hutchinson – Principal Supervisor, Deakin University
  Using an audit with feedback knowledge translation intervention to promote safety and quality in health care.

- Bulfin, Lauren PhD
  Dr Julia Morphet – Principal Supervisor, Monash University
  The impact of an evidence-based scheduling system on the health and wellbeing of shift workers and medical error rates in a large metropolitan intensive care unit.

- Dunshea, Kevin Masters
  Dr Julia Morphet – Principal Supervisor, Monash University
  The role of the Clinical Nurse Specialist in Australian emergency departments.

- Georgiou, Kerry Honours
  Associate Professor Bernice Redley – Principal Supervisor, Helen Rawson – Associate Supervisor, Deakin University
  Family member experiences of participation in the care of an older person in the emergency department.

- Guinane, Jessica PhD
  Professor Alison Hutchinson – Associate Supervisor, Deakin University
  Listen to me, I am really sick! Understanding patient and family perspectives in triggering responses to medical emergencies.

- Hashim, Sarena Binti Haji PhD
  Professor Christine East – Co-supervisor, University of Melbourne
  A study to explore hypertensive disorders of pregnancy among pregnant women in Brunei Darussalam.

- Howard, Rebekah Honours
  Associate Professor Lisa Kuhn – Principal Supervisor, Deakin University (Jan - Jul); Monash University (Aug - Dec)
  Factors influencing cardiometabolic monitoring practices for adults in mental health in-patient units.

- Islam, Tasneem PhD
  Professor Alison Hutchinson – Associate Supervisor, Deakin University
  ICT and its impact on nursing practice and patient safety.

- Jaggard, Hollie Honours
  Dr Julia Morphet – Principal Supervisor, Monash University
  Emergency nurses’ attitudes to continuing professional development.

- Jayaseelan, Gethsy Masters
  Dr Helen Rawson – Principal Supervisor, Professor Alison Hutchinson – Associate Supervisor, Deakin University
  Dialysis patient exercise benefits and barriers.
Jebwab, Rebecca Masters
Professor Alison Hutchinson – Associate Supervisor, Deakin University
Best practices for use of intravenous magnesium sulphate in treating post-operative atrial fibrillation in cardiac surgical patients.

Madhuvu, Auxillia PhD
Dr Julia Morphet – Principal Supervisor, Monash University
Ventilator associated events in the intensive care unit.

McDonall, Jo PhD
Associate Professor Bernice Redley – Associate Supervisor, Deakin University
MiMe – Patient participation in post-operative care activities in patients undergoing total knee replacement surgery.

McGuiness, Josephine PhD
Dr Julia Morphet – Associate Supervisor, Monash University
Examining the impact of innovative pharmaceutical care delivery models in the acute care setting.

Njambi, Margaret Honours
Leadership Research Project
Associate Professor Bernice Redley – Principal Supervisor
Helen Rawson – Associate Co-supervisor, Deakin University
Nurse empowerment during inter-professional clinical handover in the PACU: exploring the role of standardised processes.

O’Connor, Darcy Honours
Bernice Redley – Principal Supervisor
Helen Rawson – Associate Supervisor, Deakin University
The role of interprofessional communication in clinical handover from the emergency department to acute inpatient wards.

Ohud, Alotaibi Masters
Dr Julia Morphet – Principal Supervisor, Monash University
Saudi Arabian postgraduate students' perceptions of a virtual simulation program developed for nursing education.

Oldland, Elizabeth PhD
Professor Alison Hutchinson – Associate Supervisor, Deakin University
Operationalising consumers as partners in the national clinical safety standards – Integration into specialty education.

Osborne, Abra Masters
Dr Julia Morphet – Principal Supervisor, Monash University
Barriers and enablers to the safe use of manual handling techniques in the emergency department.

Palmer, Katie PhD
Dr Julia Morphet – Associate Supervisor, Monash University
Exercise rehabilitation in people with heart failure.

Pemo, Kinga PhD
Professor Alison Hutchinson – Associate Supervisor, Deakin University
Bhutanese women and their perceptions and experiences of breastfeeding at 38 weeks.

Rigby, Kerry Honours
Professor Alison Hutchinson – Principal Supervisor, Deakin University
Reminiscence cottage evaluation.

Roe, Jessica Honours
Professor Alison Hutchinson – Principal Supervisor, Deakin University
Direct care staff perceptions of providing appropriate and quality care to residents exhibiting BPSD in a RACF.

Sami, Sarah Masters minor thesis
Associate Professor Bernice Redley – Supervisor, Deakin University
The patient experience of medication management: A mixed methods exploration of patient perceptions.

Schoch, Monica PhD
Professor Alison Hutchinson – Principal Supervisor, Deakin University
Point of care ultrasound in haemodialysis access.

Sloman, Marie Masters
Associate Professor Lisa Kuhn – Principal Supervisor, Deakin University (Jan - Jul); Monash University (Aug - Dec)
The design and implementation of a pre-procedure checklist specific to the cardiac catheterisation laboratory.

Sutton, Elizabeth PhD
Professor Christine East – Associate Supervisor, Monash University
The labour of pain.

Taranto, Jess Masters
Bernice Redley – Principal Supervisor, Deakin University
Parents and carers experience of family centred care during an extended stay in Stage 1 PACU.

Watkins, Vanessa PhD
Professor Alison Hutchinson – Principal Supervisor, Deakin University
Collaborative maternity care pathways.

Zinkel, Annika Honours
Associate Professor Bernice Redley – Supervisor, Deakin University
Cardiologists' practices and views about pre-procedure fasting and sedation for elective diagnostic and interventional cardiology procedures.
Committee membership

► Professor Christine East
Director of Research, School of Nursing and Midwifery, Monash University
Research Committee Chair, School of Nursing and Midwifery, Monash University
Faculty Research Committee, Monash University member
International Stillbirth Alliance, Board, PSANZ representative
Monash Partners: Academic Health Science Centre, Women’s and Children’s Theme
NHMRC Grant Review Panel, Clinical Trials – Project Grants, panel member
PSANZ 19th Annual Congress 2015, Scientific Committee member
PSANZ Policy Sub-Committee member
University of Queensland Nursing and Midwifery Research Committee member
Clinical Practice Guidelines: Antenatal corticosteroids given to women prior to birth to improve fetal, infant, child and adult health, PSANZ representative
Monash Health Nursing & Midwifery Leadership Team member

► Professor Alison Hutchinson
Deputy Director, Centre for Quality and Patient Safety Research (QPS)
Deputy Head of School, Research and Research Training, Deakin University
Deputy Head of Higher Degrees by Research, Deakin University
Chair in Nursing, Centre for Quality and Patient Safety Research - Monash Health Partnership
Co-Director, Centre for Innovation and Education in Aged Care
Board Member, Uniting AgeWell
Chair, Quality and Safety Committee, Uniting Agewell
Monash Health Nursing & Midwifery Leadership Team member
Monash Health Research Council member
Cabrini Institute Council member

► Dr Julia Morphet
Executive Director, College of Emergency Nursing Australia (CENA), Administrative Director, College of Emergency Nursing Australia (CENA), National Board member
College of Emergency Nursing Australia (CENA), National Board member
Chair Research Committee, College of Emergency Nursing Australasia (CENA)
President, Victorian Branch, College of Emergency Nursing Australasia (CENA)
Emergency Clinical Care Network (ECCN), Department of Health, member
Monash Health Low Risk Ethics Committee, member

► Dr Helen Rawson
Australian Association of Gerontology Inc., Victorian Division, Executive Committee member
Faculty of Health Human Ethics Advisory Group (HEAG-H) Deakin University, Low Risk Ethics Reviewer
Monash Health Niagara Taskforce to Reduce Falls in Residential Aged Care, Committee member
Monash Health Low Risk Ethics Committee, member

► Associate Professor Bernice Redley
Deputy Chair, Victorian Care of Older People Clinical Network, DHHS Victoria
Deputy Chair, EMR Research Governance Co-Chair, Monash Health Human Research Ethics Low Risk Panel
Monash Health Digital Clinical Council, member
HEAG-H Deakin University, member
Victorian Geriatric Medicine Training Program Committee, nursing representative
JBI Trauma Node, member
EMR Nursing Workgroup, member
Monash Health DDON Committee, member

► Associate Professor Lisa Kuhn
College of Emergency Nursing Australasia (CENA), CENA Research Committee member
College of Emergency Nursing Australasia (CENA), Victorian Branch Committee member
Editorial boards and journal referees

► **Professor Christine East**
  Editorial Board, Cochrane Collaboration, Pregnancy and Childbirth Group
  ANZJOG
  BJOG
  BMC Pregnancy and Childbirth
  Contemporary Nurse
  Fertility and Sterility
  Journal of Obstetrics and Gynaecology Research Midwifery
  Midwifery
  Women and Birth

► **Professor Alison Hutchinson**
  Associate Editor, Implementation Science
  Member, International Editorial Board, Worldviews on Evidence Based Nursing
  BMC Health Services Research
  International Journal of Nursing Studies
  Journal of Clinical Nursing

► **Associate Professor Lisa Kuhn**
  Reviewer, American Journal of Critical Care Nursing
  Australian Critical Care
  Australasian Emergency Care (formerly Australasian Emergency Nursing Journal)
  British Journal of Cardiac Nursing
  Collegian
  Emergency Medicine Journal
  European Journal of Cardiovascular Nursing
  International Journal of Cardiology
  Journal of Advanced Nursing
  Journal of Clinical Nursing
  Journal of Emergency Nursing

► **Dr Julia Morphet**
  Editorial Advisor, International Emergency Nursing Journal
  Reviewer, Australasian Emergency Care (formerly Australasian Emergency Nursing Journal)
  Collegian
  Journal of Advanced Nursing

► **Dr Helen Rawson**
  Australasian Journal on Ageing
  BMJ Open

► **Associate Professor Bernice Redley**
  Editorial Board, Journal of Advanced Nursing
  Editorial Board, Journal of Clinical Nursing
  Editorial Board, International Emergency Nursing
  Age and Ageing
  BMJ Quality and Safety
  International Journal of Nursing Practice
  Journal of General Internal Medicine
  International Journal for Quality in Health Care
  Emergency Nursing Australasia
  Biomedical Research
Visiting researchers

► Professor Ian Graham
MA PhD FCAHS
University of Ottawa, Canada
Ian visited the Centre for Quality and Patient Safety Research – Monash Health Partnership to undertake research exploring health service and research institution partnerships.

► Professor Cecillie Lindstrøm Egholm
PhD-student, MScPH
Department of Medicine, Holbaek University Hospital, University of Southern Denmark, Denmark
Cecillie was a visiting scholar in the Centre for Quality and Patient Safety Research for four weeks during October and November 2017. During her visit she shared with the Deakin University and Monash Health staff, her extensive knowledge of national quality registries, data driven improvement, implementation in different health care sectors (clinical and community), as well as the use of Patient Reported Outcome measures.

► Professor Laura Serrant
PhD MA BA RGN PGCE
Faculty of Health and Wellbeing, Sheffield Hallam University, United Kingdom
As part of being the 2017 Florence Nightingale Scholar, Professor Serrant was a visiting academic in Deakin University’s School of Nursing and the Centre for Quality and Patient Safety Research – Monash Health Partnership.

Honorary researchers

► Mary Anne Biro
PhD
School of Nursing and Midwifery, Monash University.
Aligned with Professor Christine East, Monash Women’s Midwifery Research.

► Ingrid Mogren
MD PhD
Senior Consultant in Obstetrics and Gynecology, Umea University, Sweden.
Aligned with Professor Christine East, Monash Women’s Midwifery Research.

► Professor Beverly O’Connell
BAppSc MSc PhD
University of Manitoba, Winnipeg, Canada.
Aligned with Professor Alison Hutchinson, Centre for Quality and Patient Safety – Monash Health Partnership.
## Research projects’ alignment with National Safety and Quality Health Service Standards

| Standard 1 – Governance for Safety and Quality in Health Service Organisations |
| Standard 2 – Partnering with Consumers |
| Standard 3 – Preventing and Controlling Healthcare Associated Infections |
| Standard 4 – Medication Safety |
| Standard 5 – Patient Identification and Procedure Matching |
| Standard 6 – Clinical Handover |
| Standard 7 – Blood and Blood Products |
| Standard 8 – Preventing and Managing Pressure Injuries |
| Standard 9 – Recognising and Responding to Clinical Deterioration in Acute Health Care |
| Standard 10 – Preventing Falls and Harm from Falls |

## Research projects’ alignment with Residential Aged Care Accreditation Standards

| Standard 1 – Management systems, staffing and organisational development |
| Standard 2 – Health and personal care |
| Standard 3 – Care recipient lifestyle |
| Standard 4 – Physical environment and safe systems |

### Poorer detection rates of severe fetal growth restriction in women of likely refugee background
Biro, M.A., & East, C.E.
NSQHS Standard 1

### Using the Nippita classification system for women undergoing induction of labour in a large metropolitan maternity service: Bringing simplicity and certainty to an important quality improvement process
Biro, M.A., & East, C.E.
NSQHS Standards 1 and 2

### Perinatal mental health of women of refugee background
NSQHS Standards 1 and 2

### Listen to me, I am really sick! Understanding patient and family perspectives in triggering responses to medical emergencies
Bucknall, T.K., & Hutchinson, A.M.
NSQHS Standards 2 and 9

### Prioritising Responses of Nurses To deteriorating patient Observations (PRONTO)
Bucknall, T., Hutchinson, A.M., Considine, J., Mitchell, I., Rycroft-Malone, J., Graham, I., Mohebbi, M., & Watt, J.
NSQHS Standards 1 and 2

### Quantifying the risk of unplanned transfers from subacute to acute care: Using a horizon scan and prospective nested cohort study to develop a predictive model
Considine, J., Botti, M., Hutchinson, A.M., Bucknall, T., Dunning, T., Hutchinson, A., Street, M., & Rawson, H.
NSQHS Standard 9

### Diabetes in pregnancy: Its impact on development of the fetal kidneys and urinary tract
NSQHS Standards not applicable

### Development of a generic protocol for Cochrane systematic reviews of breastfeeding
NSQHS Standards 1 and 2

### Support during pregnancy for women at increased risk of low birth weight babies: Cochrane systematic review
East, C.E., Biro, M.A., Fredericks, S. & Lau, R.
NSQHS Standard 1

### My baby’s movements: A stepped wedge cluster randomised trial of maternal awareness and reporting of decreased fetal movements to reduce stillbirth
Flenady, V., Gardener, G., Middleton, P., Coory, M., Ellwood, D., Crowther, C., East, C.E., Callander, E., Norman, J., & Boyle, F.
NSQHS Standard 1 and 2
Diabetes and antenatal milk expressing (DAME) trial: Randomised controlled trial (RCT)
NSQHS Standards 1 and 2

Ringing up about breastfeeding (Ruby): RCT
NSQHS Standards 1 and 2

Weight management during pregnancy: A qualitative study of women’s and care providers’ experiences and perspectives
Holton, S., East, C. E., & Fisher, J.
NSQHS Standards 1 and 2

Using an audit with feedback knowledge translation intervention to promote safety and quality in health care
Hutchinson, A. M., Bucknall, T. K., & Sales, A. E.
NSQHS Standard 2

Partnering with patients in medication administration
Hutchinson, A. M., Bucknall, T. K., Manias, E., Botti, M., & Rawson, H.
NSQHS Standards 2 and 4

Reducing harm, in the acute hospital setting, to people displaying symptoms associated with a neurocognitive disorders
NSQHS Standards 1, 4, 9, and 10

Improving the safety and quality of emergency department management for women with heart attacks
Kuhn, L., Page, K., Moehebi, M., van Gaal, W., & Considine, J.
NSQHS Standard 1

Simulation skills training for medical and midwifery students
NSQHS Standard 1

A randomised controlled trial of single-dose femoral nerve block versus femoral nerve block infusion for adults with a fractured neck of femur in the emergency department
Morphet, J., Clothier, V., Innes, K., Jones, T., Meek, R., & Kuhn, L.
NSQHS Standards 1, 8, and 9

The CROss Country Ultrasound Study (CROCUS)
Mogren, I., & East, C.E.
NSQHS Standard 1

Design matters for nurses: Hospital workplace design for attraction and retention of nurses
Nacarella, L., Buchan, J., & Redley, B.
NSQHS Standard 1

Victorian Public Residential Aged Care Services (PSRAC) workforce census
Rawson, H., Chalmers, C., & Hutchinson, A. M.
NSQHS Standards 8 and 10 / RACA Standard 1

Nursing management of older patients in the emergency department (NCOPED)
Rawson, H., Considine, J., Bennett, P. N., Hutchinson, A. M., & Chapman, R.
NSQHS Standards 8 and 10

Engaging family members in, and building their understanding of, residential aged care: Adaption of the Tri-focal Model of Care education programs
Rawson, H., Walker H., Forbes H., O’Connell B., & Hutchinson, A. M.
NSQHS Standard 2 / RACA Standards 1-4

Risk screening and assessment for avoiding preventable harm in older people in hospital
Redley, B.
NSQHS Standards 2 - 10

Patient and family experience of participation in inter-professional rounds on acute inpatient medical wards
Redley, B., McTier, L., Botti, M., Hutchinson, A. M., Bucknall, T., Campbell, D., & Newnham, H.
NSQHS Standards 2 and 6

Group pregnancy care for refugee background women
Riggs, E., Yelland, J., Brown, S., Mensah, F., Middleton, P., Kaplan, I., East, C. E., Oats, J., & Gold, L.
NSQHS Standards 1 and 2

Care co-ordination interventions to improve outcomes during pregnancy and early childhood (up to 5 years)
NSQHS Standards 1 and 2

Bridging the Gap: Addressing refugee inequalities through primary care reform
NSQHS Standards 1 and 2