INTRODUCTION
Chief Executive & Executive Sponsor 1
Director of Research 2
Research Activity 2013/14 3

FOCUS ON
Cancer Research 4

FOCUS ON
Community Health Research 6

BUILDING CAPACITY
Community Health Research 8

BUILDING CAPACITY
Nursing Research 9

SNAPSHOTS
Clinical Trials 10

RESEARCH GOVERNANCE
HREC Chair 11
Committee Framework 12
Projects submitted for review 13

RESEARCH FINDINGS
Publications and Presentations 18

RESEARCH ACHIEVEMENTS
Grants and Prizes 23
Celebrating Research 2013 24

Front cover: Ceri Banks, Research Nurse Thoracic Medicine, reviews test data with a participant in a clinical trial of dupilumab. See page 10.
We are proud to introduce the Peninsula Health Research Report 2014.

This Research Report focuses on building research capacity at Peninsula Health, profiling two new staff members with significant research roles, Associate Professor Virginia Plummer and Dr Cylie Williams, and highlighting their plans for the future.

Earlier this year, in response to feedback from researchers, we commenced an education program. Sessions led by staff members and colleagues from Monash University take researchers through the phases of a research project, from ‘Developing a Research Question’ to ‘Writing for Publication’.

Many of Peninsula Health’s research related policies have been reviewed to ensure they are concise and consistent with those from leading health services. Research must be undertaken within defined regulatory and ethical frameworks and risk management guidelines, and it is important that Peninsula Health’s policies reflect these frameworks.

The Human Research Ethics Committee (HREC) has approved a new process for scientific review of single-site projects submitted for consideration. The new Scientific Advisory Subcommittee allows for mentoring of researchers at an early stage in project development, as well as providing assessment of the scientific merit of projects for consideration by HREC.

We have also reviewed and revitalised the Celebrating Research program. Celebrating Research 2014 will retain the research prizes and Jeremy Anderson Oration but will also provide opportunities for staff to engage in workshops with leading researchers and members of HREC. This year, Associate Professor John Catalano will speak on the importance of translating research into practice in order to achieve optimal health outcomes for our patients.

During Celebrating Research an external facilitator will work with Peninsula Health stakeholders, including community members, to commence the development of a research strategy. This strategy will be developed alongside the Peninsula Health Strategic Clinical Service Plan 2015 – 2025 to ensure that clinical service and research priorities and activities are aligned.

We have been impressed with the enthusiasm of researchers and those involved in the supporting structures at Peninsula Health and look forward to ensuring that the Health Service’s strategic goal of ‘A culture of education, research and innovation is fostered’ is achieved and sustained.

The enthusiasm and efforts of Dr Laurie Warfe, Professor John Botha and the staff of the Research Program in championing and supporting these new initiatives is sincerely appreciated.
Introduction Director of Research

It is exciting to note that Peninsula Health’s research activity in 2013/14 has increased significantly. In particular, Community Health research activity has expanded substantially, and collaborative and commercially sponsored clinical trial research continues in a number of departments. I am pleased to welcome colleagues Associate Professor Virginia Plummer and Dr Cylie Williams, who have already made significant contributions to building research capacity in Nursing and Midwifery and Community Health respectively, as well as contributing to the research knowledge base at Peninsula Health.

The Jeremy Anderson Oration is the highlight of our annual Celebrating Research program, and last year we were honoured to welcome Professor John Mattick AO FAA, Executive Director of the Garvan Institute, as the Jeremy Anderson Orator. Thank you to Ms Nancy Hogan, Chair of the Board of Directors for inviting Professor Mattick.

Professor Mattick was appointed Executive Director of the Garvan Institute in 2012. He has a distinguished career in molecular biology, most recently as an NHMRC Australia Fellow and Director of the Institute for Molecular Bioscience at the University of Queensland. Those who attended his oration, ‘The impact of genomics on medicine and health’, reported that it was both enthralling and inspiring.

I would like to thank Mr Nigel Broughton and Associate Professor David Langton who presided over Celebrating Research 2013 during my absence on sabbatical leave. Celebrating Research prize winners for 2013 are listed on page 24 of this report.

This year, we will be introducing a new and innovative Celebrating Research program. While the core events of previous years will be maintained, we will be adding invited speakers and workshops that focus on translational research and the development of a research strategy.

The next few years will be particularly exciting for our research program, with key strategies for research activity having been clearly defined in Peninsula Health’s Strategic Plan 2013–2018. These much needed strategies will take research at Peninsula Health to the next level, and include:

> Recruiting clinical staff with research credentials
> Improving the translation of knowledge into improved health outcomes, and
> Integrating clinical services, research and education.

I am indebted to Lee-Anne Clavarino, Manager Research Program, and Stacey Hendriks, Office Coordinator, for their tireless administrative support. Thank you also to Dr Susannah Ahern, Executive Sponsor Research, for her commitment to the program and ongoing encouragement.

Finally, I would like to commend and congratulate all the contributors to this Research Report. The capacity and energy they bring to enhancing our knowledge of the conditions we treat, leaves us all with a better understanding of the task at hand and the challenges for the future.

Professor John Botha
Director of Intensive Care
Director of Research
Introduction Research Activity 2013/14

- Publications: 24
- Projects considered for approval: 107
- Abstracts submitted for Celebrating Research 2013: 81
- External Presentations and Posters: 73
- Staff enrolled in PhDs: 11
- Clinical trials reviewed through the streamlined ethical review system approved to commence at Peninsula Health: 14
Focus on Cancer Research

Joan Thomas, Nurse Manager Chemotherapy Day Unit (right), and Diane Canning, Research Nurse, are part of the Cancer Services research team.
Cancer research at Peninsula Health has been supported by the recent redesign and expansion of the Chemotherapy Day Unit at Frankston Hospital.

This redevelopment will help provide cancer services within Peninsula Health’s catchment, for today and for the future.

Clinical trials

For many patients with cancer, clinical trials can provide access to new and promising treatments. Peninsula Health has been undertaking commercially sponsored and collaborative group clinical trials in oncology and haematology for over 15 years. Our involvement provides patients in Frankston and the Mornington Peninsula with the opportunity to take part in clinical trials closer to home without the need to travel.

Currently, Peninsula Health’s Cancer Services is participating in many clinical trials including those for breast cancer, myeloma and leukaemia. Some trials are providing active treatment while others are now in the follow-up phase.

Consumers can access a list of cancer clinical trials being conducted at Peninsula Health on the Research/Clinical Trials page of the Cancer Council Victoria website, www.cancervic.org.au.

Supportive care

As well as clinical trials, research has been undertaken with the aim of improving experiences and outcomes for patients with cancer. Evidence suggests that supportive care for people with cancer and their families which offers support with multiple care needs such as fatigue, sleep patterns, eating, anxiety and worry, may contribute to improving their cancer experiences and outcomes.

In 2010, the Southern Melbourne Integrated Cancer Service (SMICS), in partnership with Peninsula Health, Southern Health, and Alfred Health carried out a pilot study introducing supportive care in haematology and chemotherapy units.

This pilot was further expanded in 2012, with a quality improvement study to identify the barriers and enablers to implementing supportive care screening into clinical practice.

Cancer Services has now exceeded the Supportive Care Screening Tool Target, with over 50% of patients having been screened for supportive care needs. Screening ensures that patients are referred to appropriate services such as social work, nutrition and dietetics, for psychological support, or back to their general practitioner. A social work review has shown that since the tool was introduced, there has been an increase in expressed emotional need.

Additional projects facilitated by SMICS have led to the development of a Supportive Care Multidisciplinary Team at Peninsula Health.

3. The tool includes a distress thermometer and problem checklist. It is completed by patients with their families or carers.
Focus on Community Health Research

Rachael Danckert from Community Dental Services and Dr Cylie Williams review project data.
The mix of urban and rural geography and the diverse demographics of Peninsula Health’s catchment area present both opportunities and challenges for our Community Health services and programs.

However, the demands of dealing with case loads across multiple locations for people with often complex healthcare needs can leave limited time for research activity. Additionally, some Community Health practitioners perceive low levels of research funding and a lack of research experience as barriers to conducting research project design, development and analysis.

“While many Community Health practitioners tell us they are not fully confident about embarking on a research project, we know they are keen to build their research skills to improve client outcomes and increase their job satisfaction,” said Dr Cylie Williams, Research and Evaluation Coordinator within our Community Health services. “This was confirmed by an internal survey in 2013. Our findings were echoed in a 2014 survey of allied health clinicians across Victoria, led by Peninsula Health in partnership with Monash Health and Monash University, and funded by the Department of Health.

“These findings are a reminder that while research can make a great contribution to improved health outcomes, it can also have personal benefits for the people doing the research,” said Cylie.

Community Health research activities

Community Health’s Research Plan for Capacity Building, launched in August 2013, describes the principles, indicators, outcomes and timeframes that will drive the Service’s research activity over the next two years.

Achievements to date

> In December 2013, Community Health hosted its first annual Research and Evaluation Expo to showcase and celebrate the growing number of research projects taking place across its programs. Over 15 staff presented at the Expo.

> An oral hygiene observational study of 199 patients from Peninsula Health hospitals and sub acute facilities was undertaken by Rachael Danckert from Community Dental Services and Anna Ryan from Acute Speech Pathology. This project aimed to identify what factors impacted on oral hygiene for patients. It investigated the association between the length of stay in hospital, the presence of a toothbrush and toothpaste by the side of the bed, and the amount of assistance required for the patient to brush their teeth. Findings from this study have changed how oral hygiene is documented within patients’ health records and has raised awareness that dental health is a care priority when a person is unable to care for themselves.

> A $25,000 selective grant was awarded to Dr Cylie Williams by the Department of Health to explore the research capacity and culture of allied health professionals working within the Victorian public health sector. The study was undertaken by Dr Cylie Williams and Research Assistant Koki Miyazaki. The results identified the role of organisation and team research skills and how they complement and enhance individual research skills of the allied health workforce. These findings will enable better understanding of how allied health staff use research in their everyday workload and how funding bodies and health services can support the translation of research evidence into clinical practice.
Dr Cylie Williams, Community Health’s Research and Evaluation Coordinator, is leading the way for allied health practitioners at Peninsula Health.

In 2010, Cylie was awarded the Peninsula Health Allied Health Research Prize for her research on the Toe Walking Tool, a screening tool for referral of children who may toe walk due to a medical reason. She was appointed Community Health’s Research and Evaluation Coordinator in August 2013.

Cylie explains the research priorities for Community Health at Peninsula Health.

“Research in Community Health needs to focus on producing high quality evidence that can be used to improve our services and programs, and on ensuring that the services we provide to the community are relevant to their needs. Given that Community Health research is in its early days at Peninsula Health, we must focus on building research capacity and supporting our workforce throughout the research process – from project design to presentations and publication in peer-reviewed journals. Many allied health clinicians don’t realise that they actually have a wealth of specialist knowledge and project management skills ideally suited to research. As Research and Evaluation Coordinator my role is to encourage and assist with process, design and analysis.

“Research projects within Community Health tend to be driven by the clinicians themselves. Some have a particular question about the efficacy of their treatments and are challenged by something that does or does not work. Others are keen to contribute to Peninsula Health or Monash University research projects that have a broader application. This has strengthened our links with the academic sector and has provided support to clinicians to lead or participate in projects that will have greater impact on the community. We are also seeing a growing number of clinicians who are keen to continue learning and who have enrolled in higher degrees by coursework or research.

“The next couple of years will be an exciting time for Community Health research,” says Cylie. “We will see results that will help us better understand the impact of cancer rehabilitation programs on clients and staff, what information guides occupational therapists to prescribe home modifications for bariatric clients, and how people with diabetes understand the delivery of foot health information. We are also in the final stage of analysing data collected from inpatients who identify as Aboriginal and/or Torres Strait Islander and comparing their hospital experience to that of other inpatients. This will help us ensure that all of our healthcare services are accessible, effective and culturally appropriate.

“Additionally, we plan to launch a tele-health project that aims to help people with chronic heart failure to self-manage their condition.”
Building Capacity Nursing Research

The recent appointment of Dr Virginia Plummer as Associate Professor Nursing Research, Monash University and Peninsula Health will support the creation of an academic and administrative framework for nursing and midwifery research at Peninsula Health.

Virginia is Director of International Engagement for the School of Nursing and Midwifery and is the World Health Organization representative in Asia for the World Association for Disaster Emergency Medicine (Nursing). She was previously Course Co-ordinator of the Bachelor of Nursing/Bachelor of Emergency Health (paramedic) double degree at Monash University, and Deputy Director of the Mobile Health Research Group which researches healthcare technologies.

She describes the key objectives for nursing research at Peninsula Health.

“Our Nursing and Midwifery Research Plan 2014-16 will encourage nurses and midwives to engage in research activity at a range of levels. The key drivers for our research agenda are likely to include health promotion and management of risk factors such as obesity, falls and drug and alcohol consumption; national health priority areas; workforce and workplace implications for patient care; and innovation in nursing practice and theory.

“There will be challenges. These include limited time for writing grant and ethics applications, discomfort with challenging our practice, and developing a more structured approach to evidence generation and translation into practice.

“There are exciting opportunities ahead for collaborative nursing research locally and internationally. We have access to rich sources of data and new services. We can call on practical support from Monash University staff and tap into the University’s international network of experienced researchers.

“Currently, there are about 90 nursing and midwifery research projects in the pipeline. We look forward to reporting on these as they take shape.”

Australia and UK collaborate on ICU nursing project

Nurses from Peninsula Health’s Intensive Care Unit at Frankston Hospital and the Royal Devon and Exeter Hospital in the UK are collaborating on a project entitled ‘Outcomes of structured assessment of confusion and administration of sedation in the ICU’. The project aims to inform nursing practice by identifying relationships between confusion, sedation and other factors such as analgesia requirements, ability to mobilise, and length of stay. The project team, which includes Nurse Unit Managers at both hospitals, Associate Professor Virginia Plummer and Professor Ruth Endacott (Plymouth University UK and Monash University), meets monthly by teleconference and is collecting data from both units for group comparison. The units are similar in size, case mix and staff mix.

Professor Endacott will be visiting Melbourne in November and will deliver the Jeremy Anderson Oration during Celebrating Research 2014.
Snapshots Clinical Trials

**Asthma**

Frankston Hospital is one of eight Australian and three Victorian sites involved in a commercially sponsored two-year international, multi-centre study to evaluate the efficacy, safety and tolerability of different doses and regimens of dupilumab.

Dupilumab is a fully human monoclonal antibody that blocks the interleukin pathway, a pathway which causes inflammation in the airways of people with asthma. It has demonstrated efficacy in patients with asthma. In this trial, the medication is used as an add-on therapy for patients with severe asthma which is not controlled with conventional inhaler treatments. Participants are assessed each fortnight for changes in lung capacity, heart rate and blood pressure. They also complete an electronic diary that provides additional daily data on the effectiveness of the medication.

The trial is being led at Peninsula Health by Director of Thoracic Medicine, Associate Professor David Langton.

In a first for Victoria, David has recently performed ground-breaking bronchial thermoplasty surgery at Frankston Hospital to reduce the debilitating effects of asthma. The bronchial thermoplasty procedure involves inserting a bronchoscope, or small tube, down the patient’s airway and into their lungs while they are under anaesthesia. A heat probe is used to treat the muscles that cause bronchospasm.

Frankston Hospital’s team was honoured to work with Professor Dr Armin Ernst, from the USA, who pioneered the procedure.

This new, specialised procedure was approved for use in Australia by the Therapeutic Goods Administration in 2013. Data is being collected in order to evaluate outcomes for these patients.

**POISE 2**

POISE 2, a major international multicentre trial which ended in early 2014, aimed to determine if aspirin or clonidine could reduce postoperative complications after major surgery in patients at risk of cardiovascular complications. Led by the Population Health Research Institute at Canada’s McMaster University, the study recruited 10,000 patients across 150 clinical centres in 16 countries.

Principal Investigator for Peninsula Health’s Frankston Hospital, Dr Julian Mahood, recruited 43 participants for the trial, the fourth largest number of the 18 participating Australian hospitals.

The study concluded that administration of aspirin before surgery and the early postsurgical period had no significant effect on the rate of composite death or nonfatal myocardial infarction, although it was found to increase the risk of major bleeding. Administration of low dose clonidine in patients undergoing non cardiac surgery did not reduce the rate of death or nonfatal myocardial infarction. However, it increased the risk of clinically important hypotension and nonfatal cardiac arrest.

Initial results were published in March 20141,2 and presented at the Australian and New Zealand College of Anaesthetists Annual Scientific Meeting in Singapore in May 2014.

Julian will continue monitoring patients until January 2015, after which further publications are anticipated.

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On behalf of the Board of Directors, I am pleased to present the annual report as Chair of the Peninsula Health Human Research Ethics Committee (HREC), a position I have held since 1 April 2014 when Professor Henry Ekert AM stepped down as Chair. Since his appointment as Chair in 2012, Professor Ekert has overseen a number of innovations in the ethical review process. He remains an active member of the Committee, and Deputy Chair.

Given the changing nature of research reviewed, two new appointments were made to HREC: Dr Cylie Williams, Research and Evaluation Coordinator Community Health; and Mr Stephen Bright, Manager AOD Services. Another new appointment was that of Dr Virginia Plummer, Associate Professor Nursing Research, Monash University and Peninsula Health. Virginia replaces Maureen Habner, Chief Nurse Frankston Hospital and Director/Chief Nurse Continuing Education and Development, who was first appointed in 2001 as proxy for the Executive Director Nursing, and subsequently in her own right. Maureen was also inaugural Chair of our Low Risk Research Subcommittee which has been in operation for the past two years. On behalf of HREC I would like to thank Maureen for her dedicated service and her work in establishing the low risk research review process. Associate Professor Dhiren Singh, a valuable member of HREC since 2009, also resigned and is yet to be replaced.

The Scientific Advisory Subcommittee referred to in last year’s Research Report has undergone further review prior to implementation. This new structure will enhance the scientific merit and integrity of research, and provide novice researchers with ready access to advice.

Terms of Reference for the Low Risk Research Subcommittee were revised in order to expand the membership to effectively review the increased number of projects submitted. Four new members were appointed in May 2014. The new members are Sean Chinnathumby, Research Nurse; Dr Jamie Layland, Cardiologist; Alison Lunt, Occupational Therapist; and Michael Wang, Physiotherapist. Appointment of a community member is progressing.

In 2013/14, HREC reviewed 15 projects compared to 25 in the previous year. In the same period, the Low Risk Research Subcommittee reviewed 34 projects, including three that were referred to HREC for further consideration. Overall, the number of projects across all review processes has increased significantly from 89 to 107, with a shift in nature and complexity. Forty four (44) projects, mainly involving review of current data, were reviewed by the Executive Sponsor Research. These projects often precede further research. Fourteen (14) clinical trials that had undergone ethical review through the streamlined ethical review system, including National Mutual Acceptance, were submitted for approval to commence at Peninsula Health.

On behalf of the Board of Directors, I would like to thank all contributors to the ethical review process, the Drugs and Therapeutics Committee, the Methods Review Panel and the Low Risk Research Subcommittee. I would also like to acknowledge the staff of the Research Program, and the significant contribution made by community members and staff.

Dr Laurie Warfe
Chair Human Research Ethics Committee

Peninsula Health Research Report 2014 Page 11
Research Governance Committee Framework

Members of research committees 2013/14

Human Research Ethics Committee

The Human Research Ethics Committee considers and advises the Board of Directors on all ethical matters arising from research activity. It monitors research through the review of regular reports at a frequency corresponding to the risk to participants.

Dr Laurie Warfe
Board Director (Chair)

Professor Henry Ekert AM
Board Director (Deputy Chair)

Dr Susannah Ahern
Executive Sponsor

Professor John Botha
Director of Research

Mr Stephen Bright
Healthcare Professional

Ms Jan deClifford
Senior Pharmacist

Ms Julie Grant
Healthcare Professional

Associate Professor Debra Griffiths
Researcher

Ms Maureen Habner
Healthcare Professional

Dr Dilinie Herbert
Ethicist

Ms Alice Irving
Laywoman

Mr Richard Ivice
Layman

Associate Professor Terry Loughnan
Researcher

Associate Professor Virginia Plummer
Researcher

Ms Mariangela Prib
Chaplain

Associate Professor Dhiren Singh
Researcher

Mr Adrian Stone
Lawyer

Associate Professor Ravi Tiruvoipati
Researcher

Dr Ashley Webb
Researcher

Dr Cylie Williams
Researcher

Low Risk Research Subcommittee

Ms Maureen Habner (Chair)
Chief Nurse Frankston Hospital
Director/Chief Nurse Continuing Education and Development

Mr Nigel Broughton
Director of Orthopaedic Research

Mr Sean Chinnathumby
Research Nurse

Ms Lee-Anne Clavarino
Manager Research Program

Dr Jamie Layland
Cardiologist

Ms Alison Lunt
Occupational Therapist

Dr Mainak Majumdar
Intensivist (Donate Life)

Mr Chris Smith
Physiotherapist

Mr Michael Wang
Physiotherapist

Ms Sharon White
Operations Director/Principal Nurse – Emergency Services and Women’s
Children’s & Adolescent Health

Methods Review Panel

Mr Nigel Broughton
Director of Orthopaedic Research

Associate Professor Ernie Butler
Head of Neurology

Dr Sam Leong
Consultant Anaesthetist
Research Governance
Projects submitted for review

Projects considered by the Human Research Ethics Committee

A randomised controlled trial of MAXCOG: An individualised early intervention program for people with MCI or early dementia and their family supporters.
Principal Investigator: Dr Bridget Regan

A phase 2/3, multi-center, open-label, randomized study of weekly nab®-paclitaxel combination with gemcitabine or carboplatin, compared to gemcitabine / carboplatin, as first-line treatment in subjects with ER, PgR, and HER2 negative (triple negative) metastatic breast cancer.
Principal Investigator: Dr Nicole Potasz

Patient satisfaction following breast reduction surgery – Comparison of inferior pedicle wise pattern and modified Hall-Findlay techniques.
Principal Investigator: Associate Professor David Hunter-Smith

Evaluation of the Peninsula Health Mental Health Service model of care.
Principal Investigator: Associate Professor Sean Jespersen

Effect of renal specific vitamin and mineral supplementation (KVITAL) on the nutritional status and psychological wellbeing of the haemodialysis patient: Pilot study.
Principal Investigator: Dr Kim Wong

Severe Asthma Web-based Database (SAWD) and research register.
Principal Investigator: Associate Professor David Langton

Mixed methods investigation of anxiety and depression, contributing factors, and health services provided to manage it amongst older adults discharged from hospital.
Principal Investigator: Associate Professor Terry Haines

Does the use of computer screen savers influence hand hygiene compliance?
Principal Investigator: Dr Cylie Williams

Moral habitability and the new graduate nurse.
Principal Investigator: Rebecca Vanderheide

Teens Empowered to Actively Manage Type 1 Diabetes (TEAM T1) Evaluation study.
Principal Investigator: Professor Jane Speight

Barriers to research at Peninsula Health.
Principal Investigator: Associate Professor Ravi Tiruvoipati

Is aquatic based physiotherapy more effective on gait and balance parameters than land based physiotherapy in those with Parkinson’s disease?
Principal Investigator: Fleur Terrens

Understanding contemporary injecting practices in Victoria.
Principal Investigator: John Ryan

Attitude towards vaccination for communicable diseases amongst health care workers in Melbourne South East.
Principal Investigator: Susan Jarmo

Diabetes & antenatal milk expressing (DAME): A randomised controlled trial.
Principal Investigator: Dr Della Forster

Projects reviewed under the streamlined ethical review system including National Mutual Acceptance

Randomized, double-blind, placebo-controlled, multicenter study comparing ciprofloxacin DPI 32.5 mg BID intermittently administered for 28 days on / 28 days off or 14 days on / 14 days off versus placebo to evaluate the time to first pulmonary exacerbation and frequency of exacerbations in subjects with non-cystic fibrosis bronchiectasis.
Principal Investigator: Associate Professor David Langton

A randomized, double-blind, placebo-controlled, dose-ranging, study to evaluate dupilumab in patients with moderate to severe uncontrolled asthma.
Principal Investigator: Associate Professor David Langton

A phase III randomized study of BB606 and best supportive care versus placebo and best supportive care in patients with pretreated advanced colorectal carcinoma.
Principal Investigator: Dr Nicole Potasz

Note: All project titles have been listed as submitted by the Sponsor or Principal Investigator.
A phase 2, randomized, double-blind, placebo-controlled, multicenter study to assess the efficacy and safety of GS-6624 in subjects with idiopathic pulmonary fibrosis. Principal Investigator: Associate Professor David Langton

A randomized, multicenter, open-label, phase 3 study of the Bruton’s tyrosine kinase inhibitor PCI-32765 versus chlorambucil in patients 65 years or older with treatment naïve chronic lymphocytic leukemia or small lymphocytic lymphoma. Principal Investigator: Associate Professor John Catalano

An open-label extension study in patients 65 years or older with chronic lymphocytic leukemia (CLL) or small lymphocytic lymphoma (SLL) who participated in study PCYC-1115-CA (PCI-32765 versus chlorambucil). Principal Investigator: Associate Professor John Catalano

A phase 3, randomized, controlled study evaluating the efficacy and safety of GS-1101 (CAL-101) in combination with ofatumumab for previously treated chronic lymphocytic leukemia. Principal Investigator: Associate Professor John Catalano

An international phase III randomised trial of dose-fractionated chemotherapy compared to standard three-weekly chemotherapy, following immediate primary surgery or as part of delayed primary surgery, for women with newly diagnosed epithelial ovarian, fallopian tube or primary peritoneal cancer. Principal Investigator: Dr Yoland Antill

Phase 2, open-label, dose-ranging study of HM10460A or pegfilgrastim use for the management of neutropenia in patients with breast cancer who are candidates for adjuvant and neoadjuvant chemotherapy with the docetaxel + cyclophosphamide (TC) regimen. Principal Investigator: Dr Jacquelyn Thomson

A randomized, multicenter, open-label, phase III trial comparing trastuzumab plus pertuzumab plus a taxane following anthracyclines versus trastuzumab emtansine plus pertuzumab following anthracyclines as adjuvant therapy in patients with operable HER2-positive primary breast cancer. Principal Investigator: Dr Vinod Ganju

A prospective randomized phase III trial of carboplatin / gemcitabine / bevacizumab vs. carboplatin / pegylated liposomal doxorubicin / bevacizumab in patients with platinum-sensitive recurrent ovarian cancer. Principal Investigator: Dr Yoland Antill

Mepolizumab vs. placebo as add-on treatment for frequently exacerbating COPD patients. Principal Investigator: Associate Professor David Langton

Projects considered by the Low Risk Research Subcommittee

Sepsis post trans-rectal ultrasound guided prostate biopsy and review of recent international travel as an independent risk factor. Principal Investigator: Dr Keitebe Hushton Leareng

Skin sparing mastectomy: A questionnaire based study exploring incidence and attitudes. Principal Investigators: Dr Farshad Kasraei and Associate Professor David Hunter-Smith

Australian Xolair Register for severe asthma. Principal Investigator: Associate Professor David Langton

Peri-operative warfarin and anti-platelet regimens. Principal Investigator: Professor Russell Gruen

Functional outcome post shoulder hemiarthroplasty. Principal Investigator: Dr David Sime

Implementing a new plan of care process of documentation into the chemotherapy day unit: Enablers, barriers and recommendations. Principal Investigator: Dr Jill Beattie

Note: All project titles have been listed as submitted by the Sponsor or Principal Investigator.
Research Governance Projects submitted for review

Doctors’ attitudes towards antibiotic use.
Principal Investigator: Dr Kawa Haji

Gait and lower limb observation of paediatrics (GALLOP-Tool): Development of a consensus based paediatric podiatry assessment tool.
Principal Investigator: Simone Cranage

The Health & Wellbeing Study: A study into the health behaviours and health care needs of Frankston and Mornington Peninsula residents.
Principal Investigator: Professor Helen Keleher

A prospective evaluation of the impact of the nurse practitioner role on the emergency department service and outcomes.
Principal Investigator: Professor Glenn Gardner

Evaluation of the Mental Health Hospital Admission Reduction Program.
Principal Investigator: Katrina Lapham

Mapping the research capacity and culture of Australian podiatrists.
Principal Investigator: Dr Cylie Williams

Note: All project titles have been listed as submitted by the Sponsor or Principal Investigator.

Junior doctors and respiratory deterioration.
Principal Investigator: Jean Louw

Augmented experience modules (AXM) activity.
Principal Investigator: Professor Rob Selzer

Evidence-based practice guidelines for prescribing home modifications for bariatric clients.
Principal Investigator: Laura de Lange

A retrospective audit of lung cancer diagnostic and treatment intervals across SMICS region with a pilot study of locally approved referral interval target times.
Principal Investigator: Geraldine Largey

Does ambulatory blood pressure monitoring alter management of blood pressure in a sub acute setting? A pilot study.
Principal Investigator: Dr Mary Lou Leach

Measurement of the immediate and long term impact of environmental change on incidental and planned activity level in the subacute setting.
Principal Investigator: Dr Chris Baguley

Estimating fear of death in a population of Australian health care employees.
Principal Investigator: Dr Mainak Majumdar

Literature review and benchmarking project on the risk assessment and competency expectations of physiotherapists assessing and treating benign paroxysmal positional vertigo.
Principal Investigator: Vatt Sounthakith

Evaluation and implementation of oral care treatment for sub acute patients - A multidisciplinary approach.
Principal Investigator: Eric Luong

How do research staff and research capacity influence the culture of research within the Victorian public health allied health workforce?
Principal Investigator: Dr Cylie Williams

Investigating malnutrition in the Mornington Peninsula Shire in adults over 65 years living in independent housing.
Principal Investigator: Erin Farnbach

Principal Investigator: Sue Reaper

Can a nutrition and dietetics competency-based buddying model for grade 1 and 2 dieticians improve functionality and increase the capability of the Nutrition and Dietetics Department?
Principal Investigator: Karen Edis

Obesity and the emerging role of occupational therapy.
Principal Investigator: Alison Lunt

Principal Investigator: Jenna Riley

A survey of the quality of sleep of non-mechanically ventilated patients admitted to the intensive care unit: A pilot study.
Principal Investigators: John Stewart and Cameron Green

Improving the nutrition care experience for patients with colorectal cancer at Peninsula Health.
Principal Investigator: Jenna Riley

Peninsula Health Research Report 2014 Page 15
State-wide paediatric observation and response chart evaluation.
Principal Investigator:
Dr Sharon Kinney

Better understanding the provision and retention of podiatry specific diabetes education.
Principal Investigator: Julia Yuncken

Neonatal outcomes of RDS / TTN using CPAP in the level 2 nursery.
Principal Investigator: Leonie Girvan

Evaluation of the footwear program within the subacute setting.
Principal Investigator: Alicia James

Evaluation of the value of electronic health records in Victorian healthcare services.
Principal Investigator: Associate Professor David Langton

Quality/Audit projects considered by Executive Sponsor Research

Threshold level of serum bHCG associated with ultrasonic visualization of gestational sacs in patients who present to the emergency department and early pregnancy assessment service with early pregnancy bleeding.

Tibial to femoral width ratio: A retrospective study of knee morphology in 100 consecutive computerized tomography scans.

CT brain imaging rates for aged care residents who present to Peninsula Health EDs and a review of their subsequent management.

Interprofessional audit of allied health assessment and intervention for Peninsula Health clients with a developed stage 2 pressure injury during three periods of high incidence.

Kindergartens and community health.

Identification of cognitive risk factors present in falls with major harm.

Prasugrel in PCI (PIPCI) audit.

Comparative economic analysis of fasciectomy and needle fasciotomy for the management of Dupuytren's disease.

National antimicrobial prescribing survey.

Trial of activity and participation outcome measures in ambulatory rehabilitation.

Identifying patients with pulmonary embolism that are safe for early discharge, will reduce hospital stay.

Antimicrobial effect of lignocaine on joint aspirate results – An in vitro study.

Alcohol in EDs: Prevalence of alcohol effects in Australasian emergency departments.

The readmission rate of COPD patients to Frankston Hospital from January 2010 – December 2013.

Management of bite injuries - A Victorian perspective.

Clinical data audit for escalating observation charts in 6-12 month old children.

Audit of perinatal complications of macrosomic neonates.

Audit of the management of patients with stroke in a metropolitan hospital.

Note: All project titles have been listed as submitted by the Sponsor or Principal Investigator.
Does the new technology of low risk frequency ultrasonic debridement pose an infection control risk for clinicians, patients and the clinic environment?

Evaluation of outcomes following thrombolysis for pulmonary embolism.

A retrospective audit of liver function and triglyceride level test results after moving to a parenteral lipid source containing fish oil, olive oil, soybean oil and medium chain triglycerides from an olive oil based parenteral nutrition lipid.

Right time, right place: Evaluation of patient outcomes for Stroke Detours Program.


Screening and prevention of chronic kidney disease.

Is a syntocinon infusion necessary at emergency caesarean section? In practice versus a double-blinded randomized control trial.

Retrospective cohort observational study to evaluate the outcome of adult patients presenting with undifferentiated febrile illness to general medical wards over a 6 month period (September 2013 – March 2014).

Rapid iron infusion at Peninsula Health: Retrospective single centre safety audit.

3D printing of CT scans in plastic and reconstructive surgery.

Electronic Persistent Pain Outcomes Collaboration (ePPOC) - An initiative to support continuous improvement in the quality and effectiveness of pain management in Australasia.

Outcome of peripherally inserted intravenous catheters in Frankston ED: Are they used and are they always necessary?

Asia, Australia and New Zealand Dyspnoea in Emergency Departments (AANZDEM) study.

Depot antipsychotic use in an aged psychiatry service: What agents do we use, are they tolerated and do we monitor adequately for efficacy and adverse events?

The influence of referral pathway on service delivery and patient outcomes following flexor tendon repair.

Outcomes of the implementation of an antimicrobial stewardship program: A multi-site intervention study of Australian hospitals using an interrupted time series analysis.

Retrospective observational study to evaluate the epidemiology, clinical features, diagnosis and treatment outcome of Mycobacterium ulcerans infection in Mornington Peninsula.

A review of neonatal transfers.

A retrospective review of the role of bilirubin in the diagnosis of acute appendicitis.

Note: All project titles have been listed as submitted by the Sponsor or Principal Investigator.
Research Findings Publications and Presentations

Publications


Research Findings Publications and Presentations


Oral presentations


Research Findings Publications and Presentations


Munro, I., & Jacob, S. (2013, October). Don’t go ahead or behind, walk alongside to understand the real meaning of recovery. Australian College of Mental Health Nurses 39th International Mental Health Nursing Conference, Perth.


Research Findings Publications and Presentations


Poster presentations


Research Achievements

Grants

Iouri Banakh and Sarah Chao
Pharmacy
PRO-OSTEO Extend I Study
(improving osteoporosis management in the acute and rehabilitation settings): Multicentre audit.
The Society of Hospital Pharmacists of Australia, Roche Research Grant on Safety and Quality, $11,000

Dianne Canning
Cancer Services
Specialist Certificate in Oncology Research, University of Melbourne Cancer Trials Australia, $2,500

Jan deClifford
Pharmacy
Errors in electronic medication management systems.
Victorian Therapeutic Advisory Group Project Grant, $3,107

Robin Digby
Nursing
Maxwell King PhD Scholarship
The care of people with dementia in a sub-acute inpatient facility: A discourse analysis of stakeholders’ views.
Monash University, $30,343 per annum

Erin Farnbach
Community Health
Evaluation of the implementation of family-based therapy for the management of anorexia nervosa in children and adolescents in a community health setting.
Windermere Foundation, $15,000

Danica Idzes
Women’s Health
School of Nursing and Midwifery Honours Scholarship
Methods of induction of labour and birthing outcomes in an Australian public maternity service.
Monash University, $3,333

Mount Eliza Personal Alarm Call Service
Chronic Heart Failure Model of Care – Validation Stage.
Department of State Development and Innovation, $1,500,000

Dr Cylie Williams
Community Health
How do research staff and research capacity influence the culture of the research within the Victorian public health, allied health workforce?
Department of Health, $25,000

Prizes

Dr Ian Munro and Sini Jacob
Don’t go ahead or behind, walk alongside to understand the real meaning of recovery.
Best Research Presentation, Australian College of Mental Health Nurses 39th International Mental Health Nursing Conference

Dr Ashley Webb, Nicola Robertson, Maryanne Sparrow, Professor Ron Borland, and Dr Sam Leong
Stop before the Op: Increasing preoperative tobacco cessation by the systematic delivery of a printed intervention at time of wait-list placement.
Best Poster, Australian and New Zealand College of Anaesthetists Annual Scientific Meeting
Celebrating Research is an annual event that celebrates and showcases research at Peninsula Health. Events include research prizes for allied health, nursing, junior medical staff and students; a poster competition; and the Research Dinner and Jeremy Anderson Oration.

Research Prize Winners

Allied Health

First: Michelle Luscombe
Burden of and factors contributing to pain in calcaneal apophysitis.

Second: Brenton West
Statin use and peripheral sensory neuropathy: A pilot study.

Interprofessional

First: Fiona Kent
Patient outcomes from the Peninsula Health interprofessional aged care student clinic.

Second (joint winners)
Fiona Darnell
Right place, right time: Development of a home based early supported discharge program for stroke clients at Peninsula Health.

Dr Priscilla Yardley and Kelly Gillies

Nursing

First: Joanne Molloy and Naomi Pratt
Does the time of day a rapid response call is made affect patient outcomes?

Second: Meagan Shannon
Are pressure injury incidents under reported? A comparison of wound management chart audit results to pressure injury incident reports.

Scientific Poster Prize Winners

Allied Health

First: Dr Kaileen Pearson, Susan Dal Lago, Penny Powys and Lucy Flood
Acceptance and commitment therapy group intervention for people with various chronic health conditions: A preliminary evaluation.

Second: Lavanya Sundararajan, Dr Susan McCallum and Dr Lesley Day

Student

First: Victoria Berquist
Utilisation of cranial computed tomography scanning for paediatric head injury at Frankston Hospital, Victoria.

Second: Francis Lai
A comparison of students’ perceptions between structured teaching sessions and teaching in metropolitan community-based placements for general practice.

Medical

First: Dr Kavi Haji, Professor Colin Royse, Professor Alistair Royse, Dr Dhaksha Thamaraj, Dr Darmat Haji and Professor John Botha
Ultrasound assessment of regional movement of the diaphragm and its relationship with subphrenic organ displacement in the intensive care unit.

Second: Dr Eva Hagop and Associate Professor Pam Rosengarten
Role of chest x-ray in suspected acute coronary syndrome in the emergency department.

Nursing

First: Bindu Joseph
Experience of being an overseas trained nurse from a non-English speaking background working in mental health in Australia: A literature review.

Second: Sue Reaper and Jane Hampson
A retrospective review of oral mucosal pressure injuries in mechanically ventilated patients.

Frankston Hospital Orthopaedic Research Prize

Dr David Sime
Accuracy of peripheral neurological assessment by junior medical staff.
Research Program staff
Manager: Lee-Anne Clavarino
Office Coordinator: Stacey Hendriks

Annual publications
Peninsula Health’s Research Report 2014 focuses on the achievements and contributions of staff involved in research.

For a broader picture of Peninsula Health’s activities over the past year, please see our other annual publications.

> Quality of Care Report 2014 – highlights Peninsula Health’s progress and achievements in improving clinical care and our consumers’ experience

For further information about Peninsula Health or to download our annual publications, please visit our website, www.peninsulahealth.org.au.

For printed copies of our publications, please phone Corporate & Community Relations on (03) 9788 1501.

Acknowledgements
Peninsula Health acknowledges the contribution made by all staff involved in research. The Research Report 2014 showcases a small number of these projects but recognises the many ongoing projects and commercially sponsored, collaborative group and investigator-initiated trials in departments such as Anaesthesia, Cardiology, Cancer Services, Community Health, Emergency Medicine, Intensive Care, Mental Health and Thoracic Medicine that have the potential to improve the care we offer our patients.

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