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From the Head of School

It doesn’t seem like a year since we released an annual report – 2015 was a busy, productive and successful time for the SPHPM here at Monash University. I am pleased to present a catalogue of our news and achievements in the 2015 Annual Report.

For the third consecutive year we witnessed a 10 per cent growth in research funding, totalling $44 million. This includes a total of $17.5 million in funding from the NHMRC. This year we were particularly successful in securing Early Career Research Fellowships, with a success rate of 77 per cent, well exceeding the national average of 21 per cent.

I would like to congratulate all the successful applicants in the 2015 NHMRC round – your hard work is an asset to SPHPM, scientific research and the wider global community. This funding is a vital funding source for the School, and one which adds vigour and prestige to our important projects. The OPTIMISE CAP trial (Optimisation by Platform Trial Involving Multiple Interventions with Simultaneous Evaluation in Community Acquired Pneumonia) headed by Adjunct Professor Steve Webb, is one of the largest successful NHMRC projects in SPHPM, securing $4.4 million for this ground-breaking new platform trial.

SPHPM continues to be a world-leader in the area of clinical registries, operating over 20, making it the largest Clinical Registries Program in Australia. Some registry highlights from 2015 include: the successful tenderer for the Data Coordination Centre for a global prostate cancer registry and for the Australian Cystic Fibrosis Data Registry; the establishment of an Upper Gastrointestinal Cancer Registry with support from the Victorian Government, Pancare Foundation, and industry partners; the Aus-ROC Epistry was established with the aim of understanding ambulance service and treatment factors associated with improved out of hospital cardiac arrest survival and outcomes; and an SPHPM Patient Reported Outcomes Special Interest Group was established which meets regularly to share ideas and initiatives.

Our international ties were strengthened in 2015 with the establishment of the Monash-Warwick Health Care Improvement Alliance, a $5 million investment between Monash University and Warwick University in the United Kingdom. The collaboration includes the School, Monash Business School, and Warwick University Business and Medical Schools. This multidisciplinary alliance will transform and improve health care management globally.

In 2015, SPHPM’s volume of publications and citations continue to flourish with more than 700 publications in recognised and renowned journals, with Professor Peter Cameron taking the mantle for the most publications in the year at Monash overall. Some highlights from the year include ‘Systemic inflammatory response syndrome criteria in defining severe sepsis’ in the *New England Journal Of Medicine* by Kaukonen, K., Bailey, M.J., Pilcher, D.V., Cooper, D.J., Bellomo, R. et al; as well as ‘A randomized, controlled trial of oral propranolol in infantile hemangioma’ also in the *New England Journal Of Medicine* by: Leaute-Labreze, C., Hoeger, P.H., Mazereeuw-Hautier, J., Guibaud, L. et al.

The most cited academic for Monash University in 2015 was the late Professor Henry Krum. It is with great sadness that I include ‘the late’ to describe one of the finest cardiovascular researchers and specialists in heart failure management in the world, and our dear friend and colleague. Henry passed away in November 2015. Right to the end, Henry was committed to his research, bettering outcomes for patients and actively assisting students within the School. His mind, talent and spark are sorely missed.

Our teaching continued to go from strength to strength with over 2,000 undergraduate students enrolled across three courses and the development of the new Bachelor of Biomedical Science Unit. Postgraduate enrolment numbers continued to grow with more than 650 coursework students and 155 HDR students – of the latter 24 new students enrolled and 26 passed. Our courses continue to be a drawcard to overseas students with enrolled students hailing from Myanmar, Canada, United Kingdom, Saudi Arabia, Nigeria and Nepal to name a few.

The Research Governance Committee successfully implemented a risk management plan which will be of asset to ensuring the ongoing integrity of our research within the School.

We warmly welcomed new staff members across various areas in the School in 2015. Dr Paul Lacaze was appointed Head of the Public Health Genomics Program with ASPREE. Professor Danny Liew commenced as Co-Director of the CCRET. Dr Susannah Ahern joined us as the Medical Director of the Registry Sciences Unit and the ASPREE project welcomed Senior Research Fellow Dr Joanne Ryan.

I look forward to the progression and ongoing success of the School as we make a real difference to science and public health, and to collaborating with great and varied stakeholders on this journey.
Highlights for the year

World first statin trial in the elderly launched at SPHPM

This year SPHPM launched the world's largest study to investigate whether statin treatment prolongs good health and maintains independence among healthy individuals aged 70 years and over. The STAtins in Reducing Events in the Elderly (STAREE) study, led by Principal Investigator Professor Sophia Zoungas, is a collaboration between Monash University, The Menzies Research Institute (The University of Tasmania), Australian National University, University of Western Australia and Curtin University.

It has long been known that by reducing cholesterol, statins prevent heart attacks and strokes in people with a history of cardiovascular disease and the use of statins has become increasingly common with approximately 40 per cent of Australians over the age of 65 on statin therapy (inclusive of primary and secondary prevention).

“Evidence indicates that between 18 to 55 per cent of reductions in LDL (low-density lipoprotein) cholesterol can be attributed to the use of statin treatment,” Professor Zoungas said.

However, it is not yet known if the benefits of statin therapy outweigh the risks for healthy older people, and so the randomised double-blind placebo controlled trial hopes to determine whether older people should take statins to maintain good health and independence.

“Overall the balance of risks and benefits of statins remains unclear in older people. Most of the research into statins and health has been done in middle-aged people. While recommendations are for people up to 75 to take statins, there is no evidence that drugs are beneficial, or indeed harmful, in the older age group,” Professor Zoungas said.

Statins (referred to as HMG-CoA reductase inhibitors) are a specific class of drugs that assist in lowering circulating LDL cholesterol levels by blocking an enzyme in the liver that is essential in cholesterol synthesis.

“STAREE is seeking to determine whether the use of daily statin therapy can maintain good health and extend independence in individuals aged 70 years or over, over an average of five years.

“The study is also exploring if the use of statins can play a role in preventing disability in the elderly,” Professor Zoungas said.

STAREE is the first clinical trial of its kind to explore this hypothesis and the project was awarded the largest single project grant by the NHMRC.

“It is therefore hoped that the STAREE study cannot only identify the direct impact of statins on elderly health outcomes but also answer important questions such as whether the use of statin treatment can prevent dementia or can be used to treat diseases like Alzheimer’s disease.

“The reduction of LDL cholesterol, known as the ‘bad’ cholesterol, can also lower the risk of developing cardiovascular disease including myocardial infarctions or stroke,” Professor Zoungas said.

STAREE will give clinicians evidence-based information to guide prescribing behaviour and address the ‘over-prescribing’ debate and will provide information about ways we can keep older Australians healthy and living happy, productive and independent lives in the community.

STAREE is a public good will trial that is community based and saw an excellent conversion success rate in 2015, with almost three per cent recruitment from patient intervention to the first baseline visit.
The Monash University built biorepository in the AMREP signals an innovative and exciting time for medical research. This valuable resource will hold millions of blood, urine and saliva samples that will be tracked for years to come to try and identify disease traits or predictors.

Professor John McNeil, Head of SPHPM said that interest in biobank data is increasing worldwide as researchers learn more about biomarkers, and that the Monash biorepository will continue to play an important role in this area of scientific research.

“The biorepository is an incredibly exciting project for SPHPM, generating a valuable dataset for researchers now and into the future research,” Professor John McNeil said.

Professor Christina Mitchell, Dean of the Monash Faculty of Medicine, Nursing and Health Sciences said that this biorepository is unique in that it will store samples for a variety of scientific studies and research areas. Many existing biobanks and biorepositories are dedicated to a particular area of research only, for example cancer.

Research on biospecimens may provide the bridge between a participant’s physical health and what is happening at a genetic or cellular level.

The state-of-the-art architecturally designed biorepository is already home to a biobank of samples from the ASPREE study being undertaken by researchers from SPHPM. This large Australian research initiative aims to assist in identifying biological factors for the onset of diseases affecting the elderly.

Associate Professor Robyn Woods, Executive Officer of the ASPREE clinical trial and Director of the ASPREE Healthy Ageing Biobank, welcomes the opportunity to significantly extend the research potential of ASPREE and other clinical trials with biobank technology.

“Research into biomarkers may help predict diseases of ageing, such as dementia and cardiovascular disease, or even good health. Each sample in the biobank is matched with a wealth of clinical information about the participant’s health at the time the sample was taken and throughout the duration of the study.

All samples must be collected, processed and frozen within a strict four hour time limit to preserve their integrity. Each sample is de-identified, barcoded and divided into 64 aliquots (portions) for long term storage at -80° C or -190° C, depending on their components.

The biorepository will be home to biospecimens from a diverse range of studies undertaken by researchers from SPHPM.
MonCOEH’s Australian Firefighters’ Health Study

In 2015, the Monash Centre for Occupational and Environmental Health (MonCOEH) finalised three key national retrospective studies: the Australian Firefighters’ Health Study; the Fiskville Firefighters’ Health Study; and the Defence Firefighters’ Health Study. Associate Professor Deborah Glass and Professor Malcolm Sim were the principle investigators on the projects, and presented their findings to the parliamentary inquiry into the training practices at the Country Fire Authority (CFA) Fiskville Training College in country Victoria.

MonCOEH was commissioned initially by the Australasian Fire and Emergency Service Authorities Councils (AFAC) after results of several overseas studies identified excesses of several types of cancers in firefighters in 2011, but their frame of reference was later extended to include two specific sub studies into Defence firefighters and Fiskville firefighters.

The aim of the study was to investigate differences in cancer incidence, the overall death rate and rates for specific causes of death in Australian firefighters; divided into career full-time, part-time employed and volunteer firefighters, when compared to those of the Australian population.

The outcomes of primary interest were deaths from cancer, cardiovascular disease, non-malignant respiratory diseases and traumatic injury.

Overall cancer was higher in the Firefighters’ Health Study compared to the Australian population, especially among men who had served as a firefighter in a full-time or part-time capacity, with a trend of increasing risk for some cancers with increasing years of service.

However, researchers found that overall the risk of mortality for male paid firefighters and for male and female volunteer firefighters was at least 30 per cent decreased compared with the Australian population.

In addition, most causes of death, such as from heart or lung diseases, were lower than expected.

“This ‘Healthy Worker Effect’ is not unexpected among firefighters who are highly selected for their physical fitness, but we also saw this among volunteer firefighters, a group who have not been studied previously,” Associate Professor Glass said.

“The cohort is young and we hope to rematch the firefighters to the cancer and death registries in a few years when we will have more data on the incidents they have attended.

“We did not find an increased risk of cancer or mortality for the Defence firefighters but the study was small and the cohort quite young.”

Associate Professor Glass also said the Fiskville study found a significantly increased incidence of melanoma and cancer of the testis in the high exposure group, and a higher incidence of brain cancer in the medium exposure group.

“When compared to the Victorian public we saw a higher incidence of some specific cancers. However, the study concluded that the overall incidence of cancer was not increased for the study group as a whole, but was significantly elevated in the high group of fulltime instructors and practical area drill (PAD) operators.”
In 2015, Director of the Women's Health Research Program, Professor Susan Davis was awarded the prestigious International Research Excellence Laureate Award by the U.S. Endocrine Society for her exceptional contributions to endocrinology.

She was presented the Endocrinology Award at the Society’s Congress in San Diego for her ground-breaking research which has advanced the understanding of the role of androgens and estrogens in women’s health. Professor Davis is a NHMRC Principal Research Fellow, Professor of Women’s Health and Director of the Women’s Health Research Program at SPHPM.

Her research into the role of androgens and estrogens encompasses numerous aspects of women’s health including breast cancer, cardiovascular function, obesity, cognitive function, mood, sexual function and musculoskeletal health.

She co-established the Jean Hailes Foundation, Australia’s leading women’s health educational organisation, and has been recognised for her work with the Australian Indigenous community.

In 2015 Professor Davis led new research at SPHPM into increasing the understanding of the impact of menopause in women at midlife, as well as in older women.

The research, the first of its kind in Australia to provide a national snapshot of women at midlife and beyond, found that menopausal hot flushes and sweats not only affect 75 per cent of postmenopausal women aged 55 years or less, but that 42 per cent of women aged 60-65 years and 32 per cent of women aged 65 plus have these symptoms.

Professor Davis, together with Professor Robin Bell and PhD students Miss Pragya Gartouila and Dr Roisin Worsley, found that moderate to severe hot flushes and sweats are independently associated with lower psychological general wellbeing. They also found menopausal hot flushes and sweats to be independently associated with poorer self-reported work ability.

Despite the high prevalence of symptoms, this research shows that most Australian women with severe menopausal symptoms are untreated despite the availability of well-studied, effective hormonal and non-hormonal therapies. Furthermore, 13 per cent of women reported using complementary and alternative medicines, which lack evidence for efficacy, to manage their menopausal symptoms.

In a concurrent study Professor Davis’ team has reported on the prevalence of menopausal symptoms in a nationally representative sample of women at midlife in Bangladesh. This study, conducted by PhD student Mr Rakib Islam, showed that a high proportion of Bangladeshi women experience moderate to severely bothersome menopausal hot flushes and sweats, and joint pain. Despite the considerable symptom prevalence, no women reported treatment, suggesting that menopause remains neglected in Bangladesh.

Professor Davis was a member of the Task Force and co-author of the U.S. Endocrine Society’s Clinic Practice Guideline for the ‘Treatment of the Symptoms of the Menopause’. The Task Force conducted three systematic reviews of the data published on menopause and various treatments and concluded that menopausal hormone therapy remains the most effective treatment for menopause symptoms. The task force also highlighted that health care providers need to tailor treatment according to their patient’s needs, preferences and any associated clinical factors.

"Health care providers need to actively guide women in the management of their menopausal symptoms," Professor Davis said.
New international alliance to bolster research and educational opportunities for SPHPM

Global health care research stands to gain from the innovative approach underpinned by the new Monash Warwick Health Care Improvement Alliance, which will draw on an AUD$5 million investment from both Monash and Warwick universities, including AUD$3.7 million from the Monash Warwick Alliance.

Formed in early 2012, the Monash Warwick Alliance represents an innovation in higher education and research and aims to accelerate the exchange of people, ideas and information between Monash University and the University of Warwick.

To transform and improve healthcare many stakeholders are involved; dynamic approaches and innovative thinking are paramount to get results. In order to best incorporate the wide pool of people involved in improving health care, on international local scales, there has been an increased funding and research shift to ‘healthcare improvement science’. This provides the opportunity to span the translational gap in moving ‘from what we know to what we do’ in health service delivery.

To tackle these issues, the Monash Warwick Alliance has funded a proposal titled Monash Warwick Health Care Improvement Alliance. The Alliance comprises of SPHPM, Monash Business School, and Warwick University Business and Medical Schools.

With a team headed by Professors John McNeil, Helena Teede and Ian McLoughlin from Monash University and Professors Graeme Currie and Richard Lilford from the University of Warwick; the research will focus on improving practices and policies in Australia and the UK, at both local and international levels.

Professor McNeil, Head of SPMPH, said that current challenges facing health care systems cannot be addressed by a single discipline, or simply within one institution, and that collaboration presents a powerful opportunity to make change on a global scale.

“By supporting the development of health care improvement science as a core research and educational activity, the two universities will generate new knowledge and understanding that will impact on changes to health care policy and practices in Australia, United Kingdom and globally,” Professor McNeil said.

Patient health care experience and quality of life, quality of healthcare, and the access, equity and sustainable affordability of health care are considered core policy objectives in United Kingdom, Australia and most comparable nations.

The Monash Warwick Health Care Improvement Alliance will address these objectives through collaborative and innovative approaches to research and subsequent clinical practice.

Collaborative research opportunities will also be provided through the NIHR (UK National Institute for Health Research) Collaboration for Leadership in Applied Health Research & Care for West Midlands (CLAHRC-WM). This presents a five-year initiative to create lasting and effective collaborations across health and social care organisations, universities and local authorities to improve services for patients, involving Professors Currie and Lilford.

“Public health demands innovative ideas to best treat people and to improve healthcare conditions across the globe. The Monash Warwick Alliance gives two leading institutions the opportunity to devise better health outcomes everyone. It is an exciting venture for all involved,” Professor Teede said.
SPHPM’s mathematical weapon in the fight against neglected diseases

SPHPM’s mathematical modellers, Associate Professor Manoj Gambhir and Dr Amy Pinsent, are currently leading Australian efforts to eradicate the eye disease trachoma by 2020.

Trachoma is one of about 15 of the world’s Neglected Tropical Diseases (NTDs). Monash University is the only Australian university to be involved in the NTDs Modelling Consortium, an international collaborative disease eradication program striving to eliminate NTDs by the year 2020.

In 2015, members of the NTD Modelling Consortium were awarded funding to perform analyses related to the year 2020 goals of the London Declaration on NTDs. The Declaration is inspired by the World Health Organization (WHO) 2020 roadmap to eradicate neglected tropical diseases.

SPHPM Associate Professor Manoj Gambhir will be a primary investigator for the Consortium. The disease is still prevalent primarily in Sub Saharan Africa but also elsewhere in the world, including here in Australia in Indigenous communities.

Associate Professor Gambhir has worked with several international public health agencies including the WHO and the US Centers for Disease Control where he spent several months assisting with their modelling efforts for the West Africa Ebola Emergency Response. Dr Pinsent completed her doctoral studies at Imperial College London where she worked on the epidemiological dynamics of the ever-important infectious disease influenza.

“The modelling consortium is ground-breaking, because it’s such a large global collaboration, as well as the fact it applies some of the most cutting-edge mathematical modelling approaches to diseases that affect the world’s poorest people,” Associate Professor Gambhir said.

Researchers involved in the Consortium will use mathematical models to investigate community treatment strategies in nine of the 15 NTDs. Using this approach, infectious disease models can be used to forecast the future number of disease cases and to predict the outcome of a community intervention such as the mass treatment of a disease using antibiotics.

“Striving to reach the 2020 Goals will be enormously beneficial for millions of people around the world. We also hope that the methods we develop in the Consortium will prove useful for groups aiming to eliminate these and other diseases beyond 2020,” Associate Professor Gambhir said.

The Consortium has been formed as a research group and gathering of expertise to allow policy makers to tap into the decades of combined experience in the analysis of the dynamics of infectious diseases that have accumulated in international universities. The Consortium is also a conduit for the exchange of ideas, insights and questions between modellers and their users.

“It’s very encouraging that big public health organisations like the Gates Foundation and the WHO are wanting to use the best available quantitative tools to guide their policy,” Associate Professor Gambhir said.

Eleven other universities are a part of the Consortium, which is coordinated out of the University of Warwick in the UK. These include: Imperial College London; Liverpool School of Tropical Medicine; London School of Tropical Medicine; Warwick University; Erasmus Medical Centre; Case Western Reserve University; Johns Hopkins University; University of Notre Dame; Princeton University; University of California San Francisco; and Yale University.
Drivers with early dementia in rural areas may pose less risk on the road than urban counterparts, according to a report published in *Journal of Injury Prevention* in 2015 by health, law and ageing experts at Monash University.

Researchers from the Department of Forensic Medicine in SPHPM and Ballarat Health Services are calling for further research and analysis of function-based driver testing models for older drivers and those with diagnosed dementia.

Professor Joseph Ibrahim from the Department of Forensic Medicine is exploring how the driver licensing system as it currently stands may directly or indirectly perpetuate discrimination against older people with dementia.

“I began to wonder, what evidence do we have that people with dementia are a danger on our roads? I was surprised to find there was actually very little evidence that all patients with dementia make bad drivers. In fact if you look at the statistics, people with dementia rarely cause accidents at all. There is no easy answer to the question of whether a patient with dementia should stop driving, we all have a responsibility to balance the competing interests,” Professor Ibrahim said.

They also highlight the adverse health and social outcomes driving cessation has on older drivers, proposing that rural drivers in the early stages of dementia be allowed to drive with a greater level of cognitive impairment than those in urban centres.

“There is a window of time during which drivers with a diagnosis of dementia can drive as safely as other drivers of the same age.

“Premature driving cessation for people with dementia living in rural areas is likely to increase difficulties in accessing healthcare, services and material resources,” Professor Ibrahim said.

The existing research on older drivers and age-based testing models suggest function-based testing may be more appropriate as older drivers may be influenced by a low mileage bias that may account for the higher crash and mortality rates. Existing data shows that 22-46 per cent of patients with mild-to-moderate dementia continue to drive. The general consensus among clinicians is that it is usually safe to drive for about three years following diagnosis.

The collaborative report critically analyses current guidelines and interventions used to inform decisions made by clinicians, calling for validated tools to determine the level of risk posed by drivers in the early stages of dementia both to themselves and others.

The report draws a roadmap for policy-makers, licensing authorities and researchers and raises the idea of whether a more individualised approach, that takes geographical location into consideration, is needed.

“We’re advocating for a mature and enlightened response based on risk assessment, not on age or diagnosis. That one should balance decisions on the positive and negative consequences for the individual and society,” Professor Ibrahim said.
In a ground-breaking new platform trial, researchers at SPHPM from the Australian and New Zealand Intensive Care Research Centre (ANZIC-RC) in collaboration with the Platform for European Preparedness Against (Re-)emerging Epidemics (PREPARE) secured $4.4 million in 2015 from the NHMRC.

The OPTIMISE CAP trial (Optimisation by Platform Trial Involving Multiple Interventions with Simultaneous Evaluation in Community Acquired Pneumonia) is planned as a perpetual trial to commence in 2016.

Leading the Australian and New Zealand component of the trial is Adjunct Professor Steve Webb, who is very enthusiastic to be at the cutting edge of trial design and believes that a platform trial is the best strategy to rapidly improve the strength of available evidence.

“This trial represents a paradigm shift in the way evidence is generated to help clinicians provide optimal treatment to their patients. The trial design is around five times more efficient that conventional trials and it is highly likely that this type of design will become used increasingly across all disciplines of medicine,” Professor Webb said.

The ground-breaking trial will use a highly adaptive and innovative trial design to evaluate the impact of interventions to reduce mortality and morbidity for patients with Severe Community Acquired Pneumonia (Severe CAP) in ICUs across Australia.

The mortality burden of severe community acquired pneumonia is similar to the annual road toll and it is responsible for more than 7,000 ICU admissions and 1,400 deaths each year.

Researchers said currently there is a stark contrast between the substantial public health impact of Severe CAP and the low quality of evidence that guides therapies.

“As a consequence of the limited evidence-base there are major differences, some contradictory, among international guidelines. For example, each major guideline recommends different, albeit overlapping, antibiotic choices,” Professor Webb said.

Clinical registry data estimates an annual direct cost in excess of $200 million in ICU care of these patients.

The trial will compare different types of ventilation, antibiotic and immunomodulation strategies which are currently used as standard care and will preferentially randomise patients to treatments that the trial is finding to be more effective, leading to better outcomes for patients within the trial.

Professor Webb said there is a strong case that this trial is one of the most advanced trial designs ever developed.

“This preferential randomisation, termed response adaptive randomisation, means that mortality for patients within the trial is lower than would have been the case than if the trial had been conducted with 50:50 randomisation. This is an impressive fusion of continuous quality improvement with generation of new knowledge.”

The trial will also provide a platform that can be adapted to test alternative interventions in the event of a pandemic that causes life-threatening Severe Acute Respiratory Illness (SARI), thus contributing a major component of Australia’s pandemic research response.

The European arm of the trial will be coordinated by The Julius Center for Health Sciences and Primary Care at the University Medical Centre in the Netherlands.
Professor Henry Krum was a valued friend, colleague, physician and supervisor at SPHPM, and one of the finest cardiovascular researchers and specialists in heart failure management in the world.

Henry accomplished outstanding achievements in the field of cardiovascular disease and has served as a role model through service, research and teaching. He was profiled in The Lancet in 2014 and credited with putting Australia on the map with respect to clinical trials in cardiovascular disease, particularly in chronic heart disease. He also made the 2015 Thomson Reuters Highly Cited Researcher list, this recognition ranking him as one of the world’s most influential scientific minds, and in the top one per cent most cited in his subject field in 2015.

Henry completed his Bachelor of Medicine, Bachelor of Surgery Degree at the University of Melbourne in 1981, became a Fellow of the Royal Australasian College of Physicians in 1989, and completed a PhD in the Clinical Pharmacology Unit at the Austin Hospital Clinical School in 1991. He also undertook a Post-Doctoral Fellowship at Columbia University in America, before taking a joint position at the University of Melbourne and the Austin Hospital.

He joined Monash University in 1996 and was appointed Head of the Clinical Pharmacology Unit in the Department of Epidemiology and Preventive Medicine and Head of the Clinical Pharmacology Department at the Alfred Hospital. In 1997 he was promoted to Associate Professor and became a full Professor in 2003

Henry was also a dedicated supervisor of Honours and PhD students, and undertook the supervision of 24 PhD and 12 Honours students during his time at the University. He ranked first for the most citations and third for the highest number of publications from all Monash University researchers, in the 2010-2014 period. Over his career he published over 500 journal articles, four books and 22 book chapters.

Henry was internationally noted for his leadership in novel cardiovascular drug treatments and secured two highly competitive NHMRC grants in the 2015 funding round to develop a monitoring device for heart failure and another to research innovative prevention and treatment approaches for chronic heart disease.

He was a member of the Executive Committee that established the value of beta-blockers in severe heart failure. He was first author of a paper in the Journal of the American Medical Association that described for the first time, the finding that beta-blockers may produce an early beneficial effect on clinical outcomes rather than the previous paradigm that patients need to wait many months before observing any clear benefit from these therapies. Henry was also involved in a number of further definitive studies of beta-blockers which have become a cornerstone of heart failure management and his leadership in the development of guidelines had a major influence on the field. It is estimated that Henry conducted approximately 150 individual clinical trials over his career.

In 2002 he received a NHMRC Centre of Clinical Research Excellence grant which established the CCRET which has employed approximately 60 staff, students and visiting academics, and of which he was the Director.

A significant career moment was his involvement in the landmark Symplicity HTN-1 study that was recently published in The Lancet. Symplicity HTN-1 was the first proof of principle demonstration of the beneficial blood pressure-lowering effect of a new technique called percutaneous renal sympathetic denervation (RDN), a minimally invasive approach to damage the nerves that surround the main arteries to the kidneys which provide signals to the kidneys (and brain) to drive up blood pressure. Henry was also actively involved in Symplicity HTN-2, and more recently was the Global Principal Investigator of a study in cardiorenal patients (Symplicity-HF) being conducted in Western and Eastern Europe, the Middle East as well as Australia.

Henry was the recipient of countless awards and accolades as he became an eminent presence within his field, all the while highly respected by his peers, colleagues and students. Some of his esteemed awards include:

* National Heart Foundation’s Victorian President’s contribution to research award October 2015
* NHMRC awards for one of “Ten of the best” research projects in 2011
* NHMRC Achievement Award, Highest ranked Practitioner Fellow 2011 (Ironically Henry had to be persuaded to apply for this fellowship)
* Delivered the 2011 Cardiac Society of Australia and New Zealand Gaston Bauer Lecture
* Henry Christian Award, American Federation of Clinical Research.

He also sat on many international steering committees and was a principal investigator on a number of international collaborative studies and was one of the leading heart failure researchers in the world. He undertook the roles of editor, associate editor and/or on the editorial board of many international journals.

Vale Henry, from all of us at SPHPM. In your short life you made an irrefutable and profound impact on medicine and the lives of others. You, your mind and your dedication will be missed.
Infrastructure

Data Management

The Clinical Informatics and Data Management Unit (CIDMU) was established in 2003 to manage large clinical datasets, and develop web based and desk top applications for the collection and management of clinical information.

The Unit offers the following suite of services:

- Electronic forms-based data capture systems (scan, fax and email);
- Web-based data capture and reporting systems;
- Desk-top based data capture and reporting systems;
- Web-based clinical trial randomisation services;
- Telephone based randomisation services; and
- Secure clinical file transfer services.

Current activities of the Centre include the development of clinical data management systems for supporting clinical registries and high risk occupational cohorts and clinical trials with a client base. These include internal Monash research centres and external clinical organisations, as well as government and non-government organisations.

The Clinical Registry Program includes a number of registries for the Centre of Research Excellence Patient Safety (CREPS) such as the Prostate Cancer Registry and Victorian Lung Cancer Registry. External registry clients include The Alfred Hospital, Cabrini Hospital, Australian Rheumatology Association, the Colorectal Surgical Society of Australia, the Society of Cardiothoracic Surgeons, the Victorian Department of Health and Monash University Accident Research Centre (MUARC).
SPHPM Registries Program

SPHPM’s Registries Program

SPHPM currently operates over 20 clinical registries, making it the largest Clinical Registries Program in Australia. The registries include those for rare diseases, clinical surveillance, and quality and safety; with participation at state-wide, national and international levels. SPHPM’s early involvement in developing national standards and operating principles for clinical registries has earned it a reputation as a leader in the field. Key success factors of the Registries Program have been the leadership and engagement of clinicians, high quality of information technology (IT), and reliable data analysis and reporting to drive improvement and change in clinical practice.

Registries in Practice

Current drivers of health system performance and quality improvement seek to achieve best practice with minimal variation and maximum efficiency. Registries are effective in evaluating clinical practice and changing behaviour to minimise variation, leading to greater efficiencies in healthcare. This is a core function of existing registries, but registries are also being increasingly utilised as data repositories for clinical trials; to link to other sources of data (including genetic data) to provide a broader picture of health and healthcare; and to better understand and support the patient experience (such as through the measurement of patient reported outcomes). Additionally, registries themselves are continually evolving through innovation in design, data collection methods, text mining capabilities and through international collaborative initiatives.

Registry Initiatives in 2015

- Successful tenderer for the Data Coordination Centre for a global prostate cancer registry. This project is being co-led with the University of California, Los Angeles (UCLA) and will capture information and compare practice of men diagnosed with prostate cancer in the US, England, Ireland, UK, Germany, Italy, Netherlands, Spain, the Czech Republic, Austria and Canada.
- Successful tenderer for the Australian Cystic Fibrosis Data Registry, and will commence management of this registry in 2016.
- Established an Upper Gastrointestinal Cancer Registry with support from the Victorian Government, Pancare Foundation, and industry partners.
- The Victorian Cardiac Outcomes Registry (VCOR) has more than 20,000 percutaneous coronary intervention (PCI) cases registered, with 90 per cent of Victorian cardiac catheter labs contributing data.
- The Bariatric Surgery Registry moved from a pilot to national rollout and by the end of the year had consented 10,000 patients and recruited 79 sites across Australia.
- A SPHPM Patient Reported Outcomes Special Interest Group was established and meets regularly to share ideas and initiatives.

SPHPM Registry Sciences Unit

SPHPM recently established the Registry Sciences Unit (PSU) to develop strategy, support and co-ordinate activity, and drive innovation across the Registries Program.

Further information regarding the SPHPM Registries Program can be found at: http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/index.html.

Further information regarding the Registry Special Interest Group (SIG), an informal forum for those affiliated with clinical registries, can be found at: http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/registrysig.html.

SPHPM staff members who are involved in our dynamic registries work
Biostatistics Unit

Professor Andrew Forbes (Head)

The Biostatistics Unit is actively engaged in methodological biostatistics research in a variety of areas. It is also involved in numerous collaborative epidemiological research projects with staff, both internally and external from the School.

Staff within the Biostatistics Unit are actively involved in teaching biostatistics to medical, biomedical and health science undergraduate students; as well as public health and clinical research postgraduate students and to students in postgraduate degrees specialising in biostatistics.

ASPREE Trial

ASPREE is addressing the current lack of evidence on the balance of benefits versus risks of low-dose aspirin for primary prevention of disabling disease in the elderly.

ASPREE captures the potential benefits as well as the potential harms of low-dose aspirin. The primary objective is to determine whether aspirin prolongs life free of disability (physical and cognitive) in the healthy elderly.

The double-blind, randomised, placebo-controlled trial of 100mg enteric-coated aspirin is being undertaken in 19,114 healthy older adults (16,703 Australians aged ≥70 years and 2,411 participants ≥65 years, mainly minorities, in the US). Participants will be followed annually for an average of five years.

Secondary objectives relate to the effects of low-dose aspirin on the key endpoints of all cause and cause specific mortality, cardiovascular events (heart attack and stroke), dementia and cognitive decline, depression, cancer (excluding non-melanoma skin cancer), physical disability and clinically significant bleeding.

Clinical health data is collected at annual study visits, where ASPREE participants undergo annual physical and cognitive measures, and through medical records. Three monthly calls to participants between visits assist with retention and data collection.

Many ASPREE participants elected to enrol in one or more ancillary studies investigating the effect of aspirin on: cancer (ACES-ASPREE Cancer Endpoints Study); severe infection (ANTI-SEPSIS – Aspirin To Inhibit SEPSIS); age-related macular degeneration (ASPREE-AMD); depression (ASPREE-D); age-related vascular changes in the brain and cognitive decline (ENVIS-ion); bone fragility (ASPREE-Fracture); age-related hearing loss (ASPREE-Hearing); osteoarthritis (ASPREE-Knee); micro-vessel changes in the brain and stroke risk (ASPREE-Neuro) and sleep apnoea (SNORE-ASA).

More than 12,000 participants donated baseline blood and urine samples to Australia’s ASPREE Healthy Ageing Biobank. Of these, more than 5,000 have provided a three-year follow up sample.

A purpose-built Biorepository, funded by the Monash University Faculty of Medicine, Nursing and Health Sciences, will house blood and urine samples donated into the Healthy Ageing Biobank and turnour tissue samples in the ACES sub-study.

Results from the ASPREE study are expected in 2018. The trial is led by Monash University in Australia and the Berman Center for Outcomes and Clinical Research in the US and is supported by more than 2,100 Australian GP co-investigators.

The ASPREE website: www.aspree.org

2015 SNAPSHOT:

- In excess of 39,000 pages of clinical supporting evidence has been reviewed to adjudicate primary and secondary study endpoints in the study.
- Wide-ranging changes to the ASPREE Database significantly streamlined data management by increasing efficiencies in data input, data collection, co-ordinated staff activity, endpoint adjudication and integration of ASPREE study and sub-study activities.
- NHMRC has awarded funding for a new sub-study to measure androgen levels in ASPREE females.
- ASPREE formed a partnership with the Garvan Institute in Australia for future genomic studies.

• ASPREE held 10 study updates in 2015 and arose out of the recognition that regardless of discipline, research often depends on statistical methods, in the design of experiments or surveys, in the analysis of quantitative data and the interpretation of results. The BCP web page is http://www.med.monash.edu.au/epidemiology/biostats-consulting/index.html
Awards

John McNeil awarded the Sir John Monash Distinguished Professorship

In 2015, Professor John McNeil was honoured for his career contribution to Monash University with his appointment as a Sir John Monash Distinguished Professor. Professor McNeil joins a small handful of staff recommended by their Dean for this high level of professional recognition.

In addition to meeting rigorous academic criteria, the appointment also recognises outstanding achievements in the development of academic infrastructure and a major overall contribution to the University over a sustained period.

Professor McNeil was appointed head of the School in 1986, and under his chairmanship the School has become a leader in the establishment, management and analysis of clinical registries in Australia, housing over 20 clinical registries.

SPHFM is internationally recognised for its high quality of epidemiological research informing public health and clinical practice, and has forged many significant research collaborations with national and international research institutes, Monash-affiliated hospitals and public health institutes across Australia.

The title Professor McNeil receives is highly distinguished and only granted to eminent professors of exceptional distinction who have made an outstanding contribution to their field or discipline and to Monash University. This is a superlative achievement and well deserved acknowledgement of his service to scientific research and the wider Monash University community.

Dr Janet Bray stands out as a young researcher in the field of resuscitation

Dr. Janet Bray, Senior Research Fellow and Associate Director of the Aus-ROC NHMRC Centre of Research Excellence, was awarded the 2015 Bethlehem Griffiths Research Foundation Young Researcher of the Year.

First awarded in 1998, this prestigious annual accolade is awarded to a medical researcher or clinician working in Australia who has made an outstanding contribution in the area of progressive neurological disorders or palliative care.

Dr. Bray was also the recipient of the Heart Foundation of Australia’s Ross Hohnen Award for Research Excellence (with colleagues Dr Lahn Straney, Associate Professor Karen Smith and Professor Judith Finn), and the American Heart Association’s Resuscitation Science Symposium (RESS) Young Investigator Award.
Professor Flavia Cicuttini acknowledged for her collaborative research achievements

In 2015, Professor Flavia Cicuttini was awarded the Australian Rheumatology Association President's Prize for collaborative research with Professor Graeme Jones from the University of Tasmania. The President's Prize recognises collaborative research endeavours within Australia and was announced at the Australian Rheumatology Association's 56th Annual Scientific Meeting. This prestigious triennial prize is awarded to a collaborative research group based on the body of published work in a specific area of research by said group.

Field of trauma research benefits from the expertise of SPHPM Professor

In 2015, injury epidemiologist and Head of the Pre-Hospital, Emergency and Trauma Research Unit Professor Belinda Gabbe won two prestigious best paper prizes at the Australasian Trauma Society (ATS) annual conference and the Australian New Zealand Burns Association (ANZBA) Annual Scientific Meeting (ASM).

She was awarded Best Medical Presentation at the 39th annual ANZBA ASM for her presentation titled ‘Burns Registry of Australia and New Zealand (BRANZ) adult long term outcomes pilot study’.

She was also awarded the Best Free Paper Prize (for a non-medical presentation) at the ATS conference for her presentation ‘Association between fault status and 12 month outcomes after road transport related orthopaedic trauma’. She was also invited to give the prestigious Gordon Trinca Lecture at the ATS conference titled ‘Life after the Trauma Centre, the new normal’.

The Institute for Safety, Compensation and Recovery Research (IScRR) has also awarded SPHPM’s Professor Belinda Gabbe a $372,000 grant to evaluate a new model of bladder management care at the Victorian Spinal Cord Service (VSCS).
The following staff members won awards in 2015

**Professor Michael Abramson**  
Lifetime Achievement Award, Lung Foundation of Australia

**Dr Darshini Ayton**  
Sir Richard Peto Prize for best presented paper at the 2015 International Health Conference, International Health Conference

**Professor Rinaldo Bellomo**  
2015 Thomson Reuters list of Highly Cited (HiCi) Researchers

**Professor Stephen Bernard**  
Ambulance Service Medal Recipients Australia Day 2015

**Dr Cath Chamberlain**  
NHMRC Rising Star Award, Cochrane Centre

**Dr Louisa Chou**  
ANOS ASM 2015 Early Career Research Awards, Australian & New Zealand Obesity Society  
Early Career Research Award, Australasian Obesity Society

**Professor Susan Davis**  
International Excellence in Endocrinology Award, Endocrine Society  
Distinguished Laureate Award of the US Endocrine Society for International Excellence in Endocrinology, US Endocrine Society

**Associate Professor Dr Barbora DeCourten**  
Diabetes Australia Research Establishment Fellowship, RACP Foundation/Diabetes Australia Research Trust

**Dr Basia Diug**  
2015 Vice-Chancellor’s Award for Teaching Excellence, Monash University, The Office of the Vice-Chancellor

**Dr Yamuna Ellawela**  
Best Poster Award  

**Professor Judith Finn**  
Ross Hohnen Award for Research Excellence, Heart Foundation

**Dr Cheryce Harrison**  
Collaboration and Exchange Award, Heart Foundation

**Dr Carol Hodgson**  
2015 FMNHS Early Career Research Fellow Publication Prize – Nursing and Allied Health Category, Monash University, Faculty of Medicine, Nursing and Health Sciences

**Dr Sara Holton**  
Monash Alfred Psychiatry Research Centre Prize

**Dr Jessica Kasza**  
Best Free Paper Prize, ACTA 2015 International Clinical Trials Symposium  
Best Free Paper Prize – ACTA 2015, Australian Clinical Trials Alliance

**Dr Helen Kelsall**  
2015 AEA Mid-Career International Travel Award, Australasian Epidemiological Association  
2015 AMMA Patron’s Prize, Australasian Military Medicine Association

**Professor Henry Krum**  
Victorian President’s Award 2015, Heart Foundation

**Dr Joanne McKenzie**  
2015 FMNHS Early Career Research Fellow Publication Prize – Public Health Research Category, Monash University, Faculty of Medicine, Nursing and Health Sciences

**Associate Professor Biswadey Mitra**  
Phillipa Moore Publication Prize, International Conference for Emergency Nursing (ICEN)

**Adjunct Professor John Myburgh**  
Peer Review Honour Roll: External Assessor Outstanding Contribution, National Health and Medical Research Council 2015  
Global Health Impact Award, The George Institute for Global Health 2015

**Dr Jennifer Pilgrim**  
AMREP Best Paper Award, Public Health Research Early Career Researcher

**Saranya Ramesh**  
Cabrini Health Research Prize

**Associate Professor Karen Smith**  
Ross Hohnen Award for Research Excellence, Heart Foundation

**Mick Stephenson**  
Ambulance Service Medal Recipients Australia Day 2015

**Dr Lahn Straney**  
2015 FMNHS Early Career Researcher Publication Prize – Public Health Research Category, Monash University, Faculty of Medicine, Nursing and Health Sciences  
Ross Hohnen Award for Research Excellence, Heart Foundation

**Associate Professor Andrew Udy**  
Senior Medical Staff Prize for Clinical Research Alfred Health

**Professor Sophia Zoungas**  
Monash Health Rising Star Award
2015 SPHPM Excellence Awards

The 2015 SPHPM Excellence Awards featured a very special guest-speaker, the new Chancellor of Monash University, Simon McKeon AO. Staff and students were delighted by the opportunity to hear the new Chancellor address the School, acknowledging SPHPM’s outstanding contribution to teaching, research and public health.

There was also a record number of nominations on behalf of staff and students across the 15 categories, attesting to the collaborative and supportive community cultivated at the School.
Award for Excellence – Mid Career Researcher – Awarded to Yuanyuan Wang

Award for Excellence – Early Career Researcher – Awarded to Andrew Udy (Excellence) & Thach Tran (Damien Jolley Award)

Award for Best Paper – Mid Career Researcher – Awarded to Donna Urquhart

Award for Best Paper – Early Career Researcher – Awarded to Jessica Harding

Award for Excellence – Teaching – Awarded to Tessa Keegel

Award for Excellence – Tutoring – Awarded to Evie Kendal

Award for Excellence – Research and Teaching Support – Awarded to Maria La China
Award for top student for SPHPM BHealthScience(Hons): Cassandra de Lacy-Vawdon

Award for top student for SPHPM BBiomed(Hons): Oliver Huse

Award for top student for SPHPM BMedSci(Hons): Meth Delpachitra

Award for Thesis Excellence – Awarded to Joseph Doyle, Victoria Mar and Elizabeth Kilgour

Award for Excellence – Best Publication – Awarded to Alexandra Chung

Nancy Millis Medal for DPH Thesis and Coursework Excellence – Awarded to Angela Rintoul

Award for Outstanding Contribution to the Doctoral Program – Awarded to Cassandra Wright

Award for Excellence – HDR Supervision – Awarded to Dianna Magliano
Research – 2015 At a Glance

Research Funding 2015

- Category 1: 41%
- Category 2: 22%
- Category 3: 37%

Total = $42,592,161

New NHMRC Funding from applications submitted in 2015

- Project Grants: 52%
- Program Grant: 33%
- Development Grant: 13%
- Early Career Researcher Fellowship: 2%

Total = $17,218,205.55

Publications 2015

- Peer-Reviewed Journal Articles: 689
- Book Chapters: 15
- Peer-Reviewed Conference Papers: 1
- Books: 2

The full publications list can be found in Appendix 1.
Research – Year by Year

Research Funding Year by Year

Research Outputs Year by Year

Postgraduate Course Enrolments

Honours Students at SPHPM

Completions of Higher Degrees by Research Students
School Executive

Back row L to R: Professor Andrew Forbes, Professor Helena Teede, Professor Olaf Drummer, Professor Jamie Cooper, Mr Gavin Horrigan.
Front row L to R: Professor Malcolm Sim, Professor John McNeil, Professor Michael Abramson, Professor Just Stoelwinder.
Absent: Professor Noel Woodford.
Departments

Our research falls within the following departments:

- Department of Epidemiology and Preventive Medicine (DEPM)
- Department of Forensic Medicine (DoFM)
- Monash Centre for Health Research and Implementation (MCHRI)
Department of Epidemiology and Preventive Medicine

Our research falls within the following divisions:

- Prevention Science
- Clinical Epidemiology
- Research Methodology
- Health Services and Global Research
- Occupational and Environmental Health
- Critical Care Research
Prevention Science Division

- ASPREE
- STAREE
- Cardiovascular Research Unit
- Centre for Obesity Research and Education (CORE)
- Monash Ageing Research Centre (MONARC)
- Andrology Australia
- Women’s Health Research Program (WHRP)
- Prevention Science
- Cancer Research Program (CRP)
- Australian Clinical Trials Alliance (ACTA)
The ASPREE Healthy Ageing Biobank

Associate Professor Robyn Woods (Director)

The Healthy Ageing Biobank forms a unique global resource for genetic and biomarker discoveries in older Australians. Blood and urine samples stored in the Healthy Ageing Biobank have been provided by ASPREE trial participants and are complemented with high quality clinical data (more about the ASPREE clinical trial can be found on page 15).

In 2015 the Biobank team processed and stored 400 baseline and 3,300 three-year follow-up blood and urine samples. Baseline sample collection, which commenced in 2010, closed with 12,224 participants in 2015.

Specially fitted mobile laboratories have travelled a combined distance of approximately 290,000 kms across south-eastern Australia collecting samples.

ASPREE vehicles equipped with retinal cameras and portable audiometers, captured follow-up year three retinal photographs for inclusion in the ENVISION, SNORE and ASPREE-AMD sub-studies. Intermediate 18-month hearing assessments for the ASPREE-Hearing sub-study also commenced in 2015 and will continue into 2016.

In May 2015, the Monash Public Health Biorepository was opened by the Dean of the Faculty of Medicine, Nursing and Health Sciences, Professor Christina Mitchell and ASPREE Co-Principal Investigator in the US, Professor Richard Grimm. This facility contains rooms for -80°C freezers and -190°C nitrogen vapour phase tanks, enabling long-term storage of ASPREE Biobank biospecimens.

STAtins in Reducing Events in the Elderly (STAREE) study

Professor Sophia Zoungas (Head)

In 2015, recruitment for the STAREE study commenced. Led by Professor Sophia Zoungas, the STAREE study is a world-first, community-based, randomised controlled trial (Atorvastatin 40mg compared with placebo 40mg).

The study is investigating whether people aged 70 years and over should be prescribed statins to maintain good health. It is not known if the benefits of statin therapy outweigh the risks for healthy older people. In answering this important research question, the study will be able to support appropriate clinical and prescribing guidelines for primary prevention in this population.

STAREE is working directly with general practice across Australia and is currently working closely with the University of Tasmania, Curtin University and the University of Western Australia to involve GPs and potential participants in these states. STAREE aims to recruit 18,000 participants and over 2,000 GPs during the course of five years.

To find out more, visit the website: http://www.staree.org.au/
Cardiovascular Research Unit

Professor Andrew Tonkin (Head)

The Cardiovascular Research Unit conducts large-scale clinical trials, epidemiological studies and population health research into cardiovascular disease and its prevention.

Research activities in 2015 included:

NHMRC Centres for Research Excellence:
- AUS-ROC (www.ausroc.org.au)
- National Centre of Research Excellence for Peripheral Arterial Disease (NCRE-PAD: www.ncre-pad.registry.org.au/)

Research projects:
- Examining GWAS-identified loci of interest in predicting coronary events in subjects with known coronary heart disease: The LIPID genetic study
- ASPREE study, a large-scale, placebo controlled clinical trial studying the effect of low-dose aspirin on healthy lifespan, and in its related sub-studies
- Does statin use have a disease modifying effect in symptomatic knee osteoarthritis? A multicentre randomised, double-blind, placebo-controlled trial (The OAKS Study)
- Metabolomic insights into the pathogenesis and risk assessment of unstable coronary artery disease (The Lipid Study).

The above projects have all been supported through NHMRC funding and for ASPREE, by the National Institutes of Health (NIH) and CSIRO.

Website: http://www.med.monash.edu.au/epidemiology/units-centres/cardiores/

The Centre for Obesity Research and Education (CORE)

Professor Wendy Brown (Director)

CORE is dedicated to understanding and optimally managing the chronic disease of obesity and measuring the effects of weight loss on health, quality of life and survival (Mission Statement 2011).

It is an international leader in the study of bariatric surgery. The Centre's research aims to better understand obesity, obesity-related diseases (including psychosocial conditions) and to identify optimal methods for the safe, cost-effective, long-term management of this disease.

CORE is unique in applying a multidisciplinary approach to the study of obesity. It integrates a clinical obesity management program with strengths in medicine, surgery, psychology, epidemiology, public health and professional and community education. Through this integration, CORE is expertly placed to measure the health consequences of obesity and has the capacity to evaluate the health benefits of weight loss.

Website: www.core.monash.org/

Monash Ageing Research Centre (MONARC)

Professor Barbara Workman (Director)

MONARC is based at the Kingston Centre, a stand-alone subacute facility based in Cheltenham, Victoria. The Centre provides Geriatric Evaluation and Management, Aged Persons Mental Health, and Rehabilitation.

MONARC has three divisions:
- Academic Unit of Geriatric Medicine (AUGM)
- Aged Mental Health Research Unit (AMHRU)
- Clinical Research Centre for Movement Disorders and Gait (CRCMD&G).

These divisions are headed by Professors Barbara Workman, Daniel O’Connor (until March 2015), and Robert Iansek, respectively.

MONARC aims to improve the quality of care and address gaps in health service delivery for people with diseases associated with ageing and neurological disorders via the conduct of high quality clinician-led research, which is focussed on the rapid transfer of research findings into clinical management.

Website: http://www.med.monash.edu.au/sphpm/monarc/index.html
Andrology Australia

Professor Robert McLachlan (Director)

Andrology Australia (The Australian Centre of Excellence in Male Reproductive Health) undertakes a program of activities that enhances the reproductive health of males through community and professional education programs, as well as building the evidence-base and research capacity in male reproductive health.

The Andrology Australia program is a unique ‘centre without walls’ that operates nationally and brings together health and education experts from across Australia to develop collaborative strategies to raise the awareness of male reproductive health disorders and their associations with chronic disease.

The targeted areas of male reproductive health currently include:
- Sexual dysfunction including erectile dysfunction
- Androgen use and abuse
- Male infertility
- Prostate disease including prostate cancer
- Testicular disorders including testicular cancer.

Andrology Australia is funded by the Australian Government Department of Health and is administered by SPHPM.

For more information about Andrology Australia, visit www.andrologyaustralia.org

Monash Global Walk/Run, an event organised by Wellbeing at Monash together with Team Monash and Monash Sport to promote awareness of men’s health issues and raise funds for Andrology Australia.

Women’s Health Research Program (WHRP)

Professor Susan Davis (Director)

The WHRP is internationally recognised for its leading midlife women’s health research, notably in menopause research and the role of testosterone in women. This group has also undertaken ground-breaking research into the health and wellbeing of women after breast cancer.

Many of the research findings from the group have been included in international guidelines on the menopause and the use of testosterone in women. The research is currently supported by the NHMRC, the National Breast Cancer Foundation, the Bupa Health Foundation and the International Menopause Society.

The Program provides up-to-date health information for the community and health professionals. The Practitioner Toolkit for Managing the Menopause, published in 2014, was developed by the WHRP to improve the care of women at menopause. It has been nationally and internationally endorsed as clinical practice guide.

The WHRP also provides opportunities for young researchers to undertake Honours, Masters and PhD studies.

Website: http://med.monash.edu.au/sphpm/womenshealth/

Prevention Science

Professor John McNeil (Head)

The Prevention Science Unit undertakes research and teaching activities in a broad range of areas related to disease prevention and public health. The research program includes elements of both community wide and high risk interventions. Individual projects include the conduct of clinical trials, epidemiological modelling and cost-effectiveness analyses.
The Australian Clinical Trials Alliance (ACTA)

Professor John Zalcberg (Chair),
Ms Rhiannon Tate (Executive Officer)

Launched in 2014, ACTA’s mission is to promote effective and cost-effective health care in Australia through investigator-initiated clinical trials and registries that generate evidence to support decisions made by health practitioners, policymakers and consumers.

ACTA’s national office is located within the SPHPM. The Alliance incorporates more than 65 clinical trials networks, clinical trial coordinating centres and clinical quality registries across a broad range of disease groups - a number of which are located within SPHPM. Collectively, these collaborations represent more than 10,000 senior health professionals and career researchers that conduct trials or operate registries throughout Australia and as leaders internationally.

The organisation provides representation, leadership and advocacy around the role and value of “public good” clinical trials and clinical quality registries within a self-improving health system.

In the 2015, in collaboration with the NHMRC, ACTA published a landmark report on the activities and achievements of clinical trials networks over the last decade which showed that these groups have together completed or initiated more than 1,000 clinical studies involving more than 1 million participants and more than $1 billion in research funding over the last 10 years.

To find out more about ACTA and our current initiatives please visit http://www.clinicaltrialsalliance.org.au

The Cancer Research Program (CRP)

Professor John Zalcberg (Head)

Formed in 2014, CRP has a major focus on clinical quality registries collecting population-based data on diagnostic, treatment, and outcome information in high priority cancer areas in order to highlight variations in health care and patient outcomes. The information is fed back to health services, using benchmarked reports to identify health care factors that require change to improve outcomes.

One of the high priority areas is upper gastrointestinal cancers. In 2015, SPHPM secured funding from the Victorian Department of Health to establish the Upper Gastrointestinal Cancer Registry Clinical Quality Registry. This project will commence patient recruitment in early 2016.

Furthermore the Victorian Lung Cancer Registry continues to collect data on lung cancer care with the aim of improving the quality of care provided. Scoping work has also been completed on several other cancer research projects throughout 2015, some of which will be further developed in 2016.

The CRP enjoys a strong connection with health service providers, patient advocacy groups, policy makers and the Australian Clinical Trials Alliance, and is working at a high level to try to streamline the development of new projects and encourage the integration of research into day-to-day clinical practice.

http://www.clinicaltrialsalliance.org.au
Clinical Epidemiology Division

- CCRET
- The Clinical Epidemiology Unit
  - The Alfred
- Musculoskeletal Epidemiology Unit
- The Clinical Epidemiology Unit
  - Cabrini Institute
- Infectious Diseases
- Australasian Cochrane Centre
- Renal Disease Prevention Unit
Cardiovascular Research and Education in Therapeutics (CCRET)

Professor Henry Krum (Head)

CCRET’s mission is to improve outcomes at the clinical and community level through the use of evidence generated from high quality research. The CCRET undertakes the spectrum of human research from laboratory studies through to clinical trials, clinical registries, health services research and health economics.

CCRET’s laboratory studies focus on drug and device design and development as well as early evaluation of novel therapies. The clinical trial program involves both hospital and community settings at the Alfred and Caulfield Hospitals, respectively. The Centre is home to the largest cardiovascular clinical registries in Australia, which are used to improve the quality of clinical care, as well as facilitate research.

The health services and health economics research program utilises outcome data from clinical trials and registries to evaluate the effectiveness and cost-effectiveness of current and novel treatment strategies in order to inform clinical guidelines and health policy.

CCRET’s traditional focus is on cardiovascular diseases, cardiovascular procedures and their outcomes, but it also has an interest in other areas, including nutrition, musculoskeletal disease and cancer. Furthermore, while therapeutics has been the Centre’s main strength, it now also undertakes work in health promotion and prevention.

Website: www.ccretherapeutics.org.au

The Clinical Epidemiology Unit – The Alfred

Professor Michael Abramson (Head)

In 2015, the Clinical Epidemiology Unit achieved various milestones on the Hazelwood Health Study (HHS) it is undertaking for the Department of Health & Human Services (DHHS): the Community and Stakeholder Engagement Strategy; organisational agreements with subcontractors; research ethics submissions; establishment of Advisory Groups; an outline of the Ageing Policy Review; the first Annual Report; and annual community briefings.

A Media Protocol was also developed and an independent study website has been successfully launched: www.hazelwoodhealthstudy.org.au

Current Research Projects


• NHMRC funded Centre of Research Excellence for Population Health Research on Electromagnetic Energy. Outcomes of this multi-faceted international research will be translated into health policy and practice through linkages with international and national organisations.

• The Centre for Air Quality and Health Research and Evaluation (CAR) funded as an NHMRC Centre of Research Excellence and led by the Woolcock Institute.

• Collaboration with the University of Melbourne on two large NHMRC supported cohort studies: the Tasmanian Longitudinal Health Study (TAHS); and the Melbourne Atopic Cohort Study (MACS).

Musculoskeletal Epidemiology Unit

Professor Flavia Cicuttini (Head)

The Musculoskeletal Epidemiology Unit focuses on developing novel approaches to treat and prevent musculoskeletal diseases.

The Unit’s ongoing work focuses on understanding of the determinants and outcomes of musculoskeletal disease through collaborations with a number of major national international studies that are aimed at further novel intervention studies, and are underpinned by our ability to non-invasively examine joint structures with magnetic resonance imaging.

This has enabled the Unit to explore the role of novel risk factors and to target these as potential disease modifying agents for knee osteoarthritis, for example Vitamin D, statins bisphosphonates. This approach has also been used for back pain and with the trialling the use of antibiotics as treatment for back pain and disability in a new NHMRC funded RCT.

Website: www.med.monash.edu.au/epidemiology/units-centres/muscskel/

The Clinical Epidemiology Unit – Cabrini Institute

Professor Rachelle Buchbinder (Director)

A major focus of the Unit in 2015 was to set up the Australia & New Zealand Musculoskeletal (ANZMUSC) Clinical Trials Network, formed to facilitate the conduct of large-scale musculoskeletal related clinical trials. By focusing on large evidence and evidence-practice gaps, its goal is to enable better care and improved health and quality of life outcomes for people with musculoskeletal conditions.

The Unit is involved in an array of randomised controlled trials including an NHMRC funded trial of autologous platelet rich plasma injection effective for tennis elbow. It continues to manage the Australian Rheumatology Association Database and also houses one of two editorial bases for Cochrane Musculoskeletal – a major review of vertebroplasty for osteoporotic vertebral fractures was published in 2015.

Other major projects have included development of the Consensus for Exercise Reporting Template (CERT) for clinical trials; assessing the health literacy of patient and consumers in a variety of settings including a 9,000 patient survey at Cabrini Malvern and a review of consumer information about knee arthroscopy. The Unit’s research is supported by various local, national and international bodies support.

Website: http://www.med.monash.edu.au/epidemiology/units-centres/clinepi-cab/index.html

Infectious Diseases

Professor Karin Leder (Head)

The research of the Infectious Disease Epidemiology Unit covers a broad range of topics. These include the burden of communicable diseases, vaccination, modelling of infectious diseases, traveller/immigrant health, and communicable disease surveillance.

The Unit is also involved in studies of specific infectious diseases such as nosocomial infections and influenza which represent important problems in clinical practice. Additionally, there is a focus on collaborative projects within the School, with current work including an ASPREE sub-study assessing the impact of low-dose aspirin on severe sepsis in the elderly (anti-SEPSIS study), examination of the infectious burden in trauma, splenectomised and cardiothoracic registry patients, and the impact of antibiotics on back pain. Unit staff are also involved in the development of national and international management guidelines.

Part of the work of the Unit falls under the Division of Occupational and Environmental Health, which addresses issues around environmental impacts on infections, water quality and public health.

Website: www.med.monash.edu.au/epidemiology/infdis.html
The Australasian Cochrane Centre

Professor Sally Green and Mr Steve McDonald (Co-Directors)

The Australasian Cochrane Centre coordinates the activities of Cochrane in Australia and the wider Asia-Pacific region in partnership with its branches in Japan, Korea, Malaysia, New Zealand, Singapore and Thailand. The Centre provides training and support to authors of Cochrane Reviews, works with policy makers, advocates on behalf of Cochrane regionally, conducts methodological research, undertakes commissioned evidence syntheses and promotes the use of Cochrane Reviews to inform policy and practice.

In addition to its core activities, the Centre has an emerging research and development program focused on innovation in the production of evidence syntheses. It also has an aligned program of research that evaluates effective ways to inform healthcare decisions through the uptake of evidence. This includes projects investigating the synthesis, interpretation, dissemination and implementation of research evidence for clinical practice and policy.

The 2015 Australasian Cochrane Symposium in Melbourne featured a diverse mix of speakers, topics, and workshops that considered critical contemporary issues affecting the evidence community. Leading researchers, thinkers and media commentators explored how we can best generate, communicate and use evidence to achieve our shared aims of supporting the translation of research into practice, encouraging informed decision-making and improving health outcomes.

Website: http://australia.cochrane.org/

Renal Disease Prevention Unit

Professor Bob Atkins (Head) and Dr Anne Reutens

The focus of the Renal Disease Prevention Unit is on the epidemiology of chronic kidney disease and its prevention. It is an integral part of the ongoing Australian Diabetes, Obesity, and Lifestyle Study (Aus-Diab), which has provided and continues to provide the most comprehensive data on kidney disease in the Australian community as well as interrelationships between kidney disease and other lifestyle diseases. The emphasis in this Unit is on diabetic kidney disease, the most common cause of end stage kidney disease in Australia and worldwide. The Unit is part of a global Chronic Kidney Disease Prognosis Consortium, a group that analyses multiple national studies for an international perspective.

Website: www.med.monash.edu.au/epidemiology/units-centres/kidney/
Research Methodology Division

- Biostatistics Unit
- Clinical Informatics and Data Management Unit (CIDMU)
- Epidemiological Modelling Unit
- Research Governance
Biostatistics Unit

Professor Andrew Forbes (Head)

The Biostatistics Unit is actively engaged in methodological biostatistics research in a variety of areas. It is also involved in numerous collaborative epidemiological research projects with staff within and external to the School. The Unit offers a Biostatistical Consulting Service for students and staff of Monash University, the Alfred Hospital, and other health research groups.

Staff within the Biostatistics Unit are actively involved in teaching biostatistics to medical, biomedical and health science undergraduate students, to public health and clinical research postgraduate students and to students in postgraduate degrees specialising in biostatistics.

Clinical Informatics and Data Management Unit (CIDMU)

Professor Chris Reid (Head)

Clinical Informatics and Data Management Unit (CIDMU) provides key platform technologies for the conduct of epidemiological, clinical trial and health services research.

The staff in the Unit possess expertise in all aspects of data collection and data management. This includes expertise in form design; web-based data capture, entry and randomisation services; data validation; and quality control.

The staff members are also involved in the provision of consulting services to external clients who have data management issues and in training of SPHPM research staff in the principles of database design and management.

Website: www.med.monash.edu.au/sphpm/cidmu/

Epidemiological Modelling Unit

Associate Professor Manoj Gambhir (Head)

The Epidemiological Modelling Unit aims to improve quantitative decision-making for the prevention and treatment of chronic and infectious diseases. The benefits of health interventions will often occur many months or years into the future, while the costs accumulate in the present. Many prevention and treatment trials only study near-term horizons therefore the evaluation of long-term benefits requires predictive modelling tools.

Individual-based or compartmental modelling integrates data from a variety of sources, including clinical trials and epidemiological studies, to project population disease measures and uncertainties into the future. The Epidemiological Modelling Unit develops epidemiological models with the aim of assisting policy-makers to make more informed choices of which programs to fund, improve the ability of clinicians to provide accurate preventive advice, and to increase the ability of consumers to make decisions about preventive activities (that may relate to themselves or their communities). Converting quantitative results into usable information is a central concern of the Unit, which is continuously attentive to the representation of uncertainty in its projections.
Research Governance

Professor Robin Bell (Chair – Research Governance Committee)

Committee members: Professor John McNeil, Dr Jayamini Illesinghe, Mrs Marina Skiba, Dr Elizabeth Douglas, Professor Olaf Drummer, Professor Allen Cheng, Professor Andrew Forbes, Dr Liz Bishop, A/Prof Robyn Woods, Professor Malcolm Sim, Nupur Nag, Hana Shahkhan, PhD Representative.

The purpose of the Research Governance Committee (RGC) is to support researchers and research students at SPHPM in the conduct of high quality research.

Research Governance is comprised of four elements:

• Research Governance Officers and Committee
• Audits of research projects by the Research Governance Officer (RGO) and self-audits by researchers
• Induction of all new students
• Education through Good Research Practice short courses.

The Research Governance Officers together with the Research Governance Committee provide researchers with resources, advice and assistance to ensure that the School continues to meet high research conduct standards.

Specific activities undertaken in 2015 included:

• Providing the short course in Ethics and Good Research Practice free of charge for new staff and students.
• New staff and students complete a section on research governance as part of the on-boarding process.
• A compulsory online training package in research ethics for new staff and students.
• Conducting online self-audits and face to face short audits. In 2015 for the first time the short audits were used to evaluate the self-audit program (with Ethics approval from Monash University).
• Re-evaluating the current backup and archiving policy for the Schools’ shared drive.
• Implementing strategies to ensure the Schools’ Risk Management Plan is adhered to, including presentations on the Risk Management Policy to all research groups within the School. Feedback from research groups has informed our revision to the School Risk Management Guide.
• The School’s Guide to Research Practice and the Risk Management Guide have been updated.

Our website: www.med.monash.edu/sphpm/research-governance-committee.html
Health Services and Global Research Division

- Health Services Management Unit
- The Michael Kirby Centre for Public Health and Human Rights
- Clinical Registry Unit (CRU)
- Health Services Research Unit
- Jean Hailes Research Unit (JHRU)
- Medical Education Research and Quality (MERQ)
Health Services Management Unit

Professor Just Stoelwinder (Head)

The prime focus of the Health Services Management Unit is the development of management and leadership skills in medical undergraduates and postgraduate clinicians. This is achieved primarily through the conduct of Health Services & Policy component of Theme II for approximately 500 medical students in fourth year of Monash University’s medical courses. Also at the postgraduate level for over 200 students enrolled in the Master/Diploma/Certificate of Health Services Management or the Master of Health Administration in the Monash Pearson Alliance program.

Members and PhD students of the Unit are involved in health services research across a broad range of topics including health services reform, rural medical specialist workforce, patient flow in rehabilitation, management of low-acuity ambulance patients, evaluation of complex clinical interventions, and patient reported outcomes.

Website: www.med.monash.edu.au/epidemiology/units-centres/hsm/

The Michael Kirby Centre for Public Health and Human Rights

Associate Professor Bebe Loff (Director)

The Michael Kirby Centre for Public Health and Human Rights is an exciting collaboration of interdisciplinary scholars, created to consolidate existing capacities, developed over 20 years, in the study of public health and human rights within SPHPM.

The Centre comprises activists, lawyers, scientists and ethicists who undertake research that critically examines the contribution of human rights and law to the realisation of good health, particularly among vulnerable communities in Australia and in the developing world. The Centre conducts research that informs the development of public health policies and undertakes teaching programs that facilitate informed inquiry about public health, law and human rights.

In 2015, the Centre was successful in obtaining funding to provide and evaluate an innovative justice response for victim-survivors of sexual and family violence, in partnership with the South Eastern Centre Against Sexual and Family Violence within Monash Health. In its 2015 report, Australia’s National Research Organisation for Women’s Safety Limited (ANROWS) indicates that in cases where assault is perpetrated by male against a female, police were contacted in only 32.8 per cent of cases. The further attrition in numbers of victim-survivors taking cases forward is significant at each step of traditional criminal justice prosecution.

Website: www.med.monash.edu.au/michaelkirby

Clinical Registry Unit (CRU)

Associate Professor Sue Evans (Head)

The Monash CRU was established in 2013 as a result of the growing interest in clinical registries in Australia and our expanding group of registries within Monash.

The CRU operates registries monitoring cancers and implanted devices, providing educational support to researchers, clinicians, health administrators and government.

It also facilitates the Monash Registry Special Interest Group which provides registry staff from around Australia the opportunity to meet and learn from each other. The common goal of the group is to enhance our ability to use registries to measure quality of healthcare.

Website: http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/index.html
Health Services Research Unit

**Associate Professor Anna Barker (Head)**

The Health Services Research Unit is concerned with a diverse range of issues that influence the effective, efficient and ethical delivery of health services, locally and across the globe. The Unit is focused on generating new knowledge to improve policy and clinical practice in health services and health systems. The Unit also undertakes clinical research and health service evaluations that focus on topics of healthy ageing.

It undertakes multi-disciplinary research with projects in two broad areas: falls and bone health; and older people’s health service use. Research spans a broad range of methodologies including randomised controlled trials, cohort studies, economic evaluation, and qualitative research.

Major projects in 2015 included:

- **RESPOND**: A multi-centre randomised controlled trial investigating the effect of a novel program on secondary falls and ED representations in older people presenting due to a fall.
- **6-PACK**: A cluster randomised controlled trial that examined the effect of a nurse-led falls prevention program on falls, fall injuries and hospitalisation costs.
- **ASPREE-FRACTURE sub-study**: a NHMRC funded US/Australian double-blind, randomised controlled trial designed to assess whether low-dose aspirin increases the fracture risk in healthy older adults.


Jean Hailes Research Unit (JHRU)

**Professor Jane Fisher (Head)**

The JHRU is an innovative formal partnership between Monash University and the community-based knowledge translation and clinical service, Jean Hailes for Women’s Health. The Unit comprises a multidisciplinary group of academics, students, professional staff and research assistants.

Recognising the importance of gender equality for public health, all our research is informed by a social model of health, and seeks to understand and address gender-based risks as well as the social, economic, cultural and political contexts of women’s lives. The partnership enables research to be informed by community perspectives, translated to inform policy and practice, and disseminated to women, their families and healthcare providers.

Current projects (in Australia and Asia-Pacific nations) include trials of psycho-educational programs for perinatal mental health and investigations to address knowledge gaps about fertility management; interpersonal violence and mental health; reproductive health after cancer; female genital cosmetic surgery; and the health effects of exposure to natural disasters.

Medical Education Research and Quality Unit (MERQ)

**Associate Professor Dragan Illic (Head)**

MERQ continued to focus on pedagogical research in medical and health education in 2015. The MERQ team worked on a variety of pedagogical research projects across teaching strategies, assessment and innovative capacity building interventions.

In 2015, the MERQ team also received funding from the Monash Teaching & Learning Fund, MBBS development grants and the Monash Education Academy. The MERQ Unit continued to promote capacity building through its involvement with the SPHPM Summer Vacation Program. The Unit successfully provided high quality tutor training to all SPHPM staff involved with teaching through the Teaching Associate Coaching program.

The teaching and research activities of MERQ were also disseminated through staff presenting at a variety of national and international education conferences. The year was capped off with both Associate Professor Dragan Illic and Dr Basia Diug being awarded inaugural Fellows of the Monash Education Academy.
Occupational and Environmental Health Division

- Monash Centre for Occupational and Environmental Health (MonCOEH)
- Australian Centre for Human Health Risk Assessment (ACHHRA)
- Water Quality Unit
- Aviation Medicine Unit
**Monash Centre for Occupational and Environmental Health (MonCOEH)**

**Professor Malcolm Sim (Director)**

MonCOEH is one of Australia's leading research and education centres focussing on the health impact of workplace and environmental hazards.

The Centre undertakes research investigating the role of workplace hazards as risk factors for chronic diseases such as cancer, respiratory disease, musculoskeletal disorders, skin diseases, hearing loss and mental health, and the role of environmental exposures in the development of chronic diseases. Other research includes chronic disease screening in workplaces, exposure surveillance and assessment methods, the interrogation of workers’ compensation datasets, and studies on veteran and firefighter health.

MonCOEH researchers had a successful 2015 which saw the expansion of the research program to include the Victorian Injured Workers Study, funded by WorkSafe, to investigate the long term outcomes of work injury for Victorian workers. It also received a seed funding grant from Centre for Air Quality and Health Research and Education to evaluate the effectiveness of current public health messages to reduce exposure to smoke from bushfires or planned burns.

Research projects completed in 2015 include the Gulf War Follow Up, MOBI KIDS and three Firefighter Health studies.

Website: [http://www.coeh.monash.org](http://www.coeh.monash.org)

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**The Australian Centre for Human Health Risk Assessment (ACHHRA)**

**Professor Brian Priestly (Director)**

ACHHRA was established in 2002 with funding from the Innovations Program of the Commonwealth Government’s Public Health Education and Research Program (PHERP). Following completion of the PHERP-funded project in 2006, ACHHRA became part of MonCOEH.

ACHHRA offers a multidisciplinary approach to health risk assessment, with access to expertise in epidemiology, toxicology, environmental sciences, analytical chemistry, microbiology, communicable diseases, clinical evaluation and biostatistics. Through training programs and workshops, ACHHRA has assisted the development of the Human Health Risk Assessment (HHRA) workforce for governments and the commercial sector.

The main focus of ACHHRA is human exposure to hazardous chemicals and microorganisms arising from environmental or occupational media (air, water, soil and food). Hazardous chemicals and exposures may be of natural origin or result from anthropogenic activities. ACHHRA has been active in supporting participation in expert advisory panels, preparation of risk assessment guidance documents and peer review of reports.

Water Quality Unit

Professor Karin Leder (Head)

Members of the Infectious Disease Epidemiology Unit working within the Water Quality Unit are involved in research on water quality and public health, including the impact of environmental conditions on infectious diseases.

The Unit’s work focuses on assessing and managing the health impacts of microbial pathogens in conventional water supplies and alternative water sources (rainwater, greywater, and recycled water); the use of which continues to be an important component of water management strategies in Australia despite easing of drought conditions in many areas of the country.

The Unit is also involved in updating the national water guidelines and in the research program of the national research organisation Water Research Australia.

The focus of the Unit has recently expanded to include water quality and health issues in the international context, particularly in the Asia-pacific region. A major project currently underway will assess the impact of improved water supplies in India on community health.

Website: http://www.med.monash.edu.au/epidemiology/infdis.html

Aviation Medicine Unit

Associate Professor David Newman (Head)

Aviation medicine is a unique field, concerned with the interaction between the aviation environment and human physiological and psychological systems. It is a specialised subset of the wider field of occupational medicine. The main emphasis of the Unit is on understanding the implications of exposure to the flight environment on human performance. As such, it’s fundamentally concerned with health consequences in pilots, aircrew and aircraft passengers.

The Unit is responsible for teaching the highly successful short course, the Australian Certificate in Civil Aviation Medicine, which is a prerequisite for medical practitioners who wish to register with the Civil Aviation Safety Authority of Australia (CASA) as Designated Aviation Medical Examiners.

The Unit also provides a number of other training courses for both aircrew and aviation medicine-qualified doctors including an advanced practical course which is held in Singapore, offering students the centrifuge simulator experience.

Current research areas include:

- Neck injuries in pilots exposed to high G
- Cardiovascular regulation and control in the high G environment
- Spatial disorientation in aircrew
- Passenger health in airline operations
- Super-agile flight and its biodynamic implications.

Website: http://www.med.monash.edu.au/epidemiology/units-centres/avmed/

Drilling of a well in Shirahatti, India, Dec 2015
Critical Care Research Division

- Australian and New Zealand Intensive Care Research Centre (ANZIC-RC)
- Pre-Hospital, Emergency and Trauma Unit (PET)
- Australian and New Zealand College of Anaesthetists (ANZCA) Clinical Trials Network (CTN)
- Transfusion Research Unit (TRU)
The Australian and New Zealand Intensive Care Research Centre (ANZIC-RC)

Professor Jamie Cooper and Professor Rinaldo Bellomo (Directors)

ANZIC-RC is the National Health and Medical Research Council (NHMRC) and Monash University funded bi-national centre for development, coordination and execution of pivotal multicentre randomised controlled trials (RCTs) in critically ill patients. The outcomes of its research have changed medical care in Australia and internationally, improved patient outcomes and lowered health care costs. ANZIC-RC is also a national teaching centre for doctoral, postdoctoral and international clinician researchers in critical care medicine.

The ANZIC-RC offers a range of services, with advice and assistance available from experienced intensive care unit researchers, data management/bio-statistical consultants, project managers, epidemiologists and health economists.

The Centre coordinates and conducts comprehensive research programs including observational studies, feasibility projects and large multi-centred, interventional, randomised controlled trials.

In 2015, the ANZIC-RC was leading seven NHMRC-funded RCTs. In October, the EPO-TBI RCT (Erythropoietin in Traumatic Brain Injury) was published in The Lancet and concurrently presented at the ESICM Congress, Berlin.

The Centre recently celebrated Professor Bellomo’s 1,000th publication in the academic medical research database Scopus – the first ANZ biomedical researcher to achieve this impressive status.

Pre-hospital, Emergency and Trauma Unit (PET)

Professor Belinda Gabbe (Head)

The PET Unit is a leading research unit within the Critical Research Division at SPHPM, with over 100 staff and post-graduate students. Large-scale observational studies, clinical quality registries and clinical trials, with a key focus on patient-reported outcomes, are a key focus of the Unit.

Integral to the Unit’s research are the world-renowned Victorian State Trauma Registry (VSTR), The Victorian Orthopaedic Trauma Outcomes Registry (VOTOR) and The Burns Registry of Australian and New Zealand (BRANZ).

The Unit has strong government, industry and NHMRC funding support. The Unit is currently conducting the NHMRC project grant “Outcomes after serious injury: What is the recovery trajectory and how do the priorities for treatment and disability services change over time (RESTORE)”. As well as the NHMRC Centre for Research Excellence Aus-ROC and the Aus-ROC Epistry, which is collecting data on out of hospital cardiac arrest in Australia and New Zealand.
Australian and New Zealand College of Anaesthetists (ANZCA) Clinical Trials Network (CTN)

Professor Paul Myles (Director)

ANZCA CTN functions as a collaboration between Monash University and the ANZCA. It is an informal network of ANZCA Fellows, trainees and trial co-ordinators with a strong commitment in fostering investigator-initiated, multi-centre research to improving the evidence base of anaesthesia, pain and perioperative medicine.

In 2015, the network reached its recruitment target of the Aspirin and Tranexamic Acid for Coronary Artery Surgery trial (ATACAS) and the completed the one-year follow up studies of the Evaluation of Nitrous Oxide and its Effect on Cardiac Morbidity study (ENIGMA II). It also ran its largest annual strategic research workshop and also became a full member of the ACTA.

Current multicentre research includes:

- ENIGMA-II follow up studies: Evaluation of Nitrous Oxide and its Effect on Cardiac Morbidity
- ATACAS: Aspirin and Tranexamic Acid for Coronary Artery Surgery
- The Balanced Anaesthesia Study examining depth of anaesthesia using BIS monitoring
- RELIEF: Restrictive versus LIBERAL Fluid Therapy in Major Abdominal Surgery
- METS: Measurement of Exercise Tolerance for Surgery (METS) Study, and Using the Six-Minute Walk Test (6MWT) to predict quality of recovery and disability-free survival following major non-cardiac surgery
- PADDI: Perioperative ADministration of Dexamethasone and Infection.

Website: www.med.monash.edu/sphpm/anzca
www.anzca.edu.au/ctn

Transfusion Research Unit (TRU)

Associate Professor Erica Wood (Head)

TRU is a multidisciplinary research team that is responsible for national registries and other projects to collect information about conditions requiring major and/or complex transfusion support in order to better understand and improve clinical practice, blood utilisation and patient clinical outcomes.

Several registry projects are conducted under the auspices of the Transfusion Outcomes Research Collaborative (TORC), a partnership between the Australian Red Cross Blood Service and Monash University, established in 2008.

TRU also undertakes a range of activities including data linkage with established large clinical registries and administrative datasets, and modelling work to better understand the impact of blood availability on clinical practice.

TRU is coordinating its first clinical trial with funding from the NHMRC and Australian and New Zealand Society of Blood Transfusion for the Trial to Evaluate Anti-fibrinolytic Therapy in Thrombocytopenia (TREATT) in Australia, in collaboration with colleagues at NHS Blood and Transplant (NHSBT) in the UK. This large study will examine whether tranexamic acid, an antifibrinolytic agent, helps prevent or reduce bleeding in haematology/oncology patients with low platelet counts.

TRU holds annual investigator meetings and a TORC educational seminar to share important new research findings with a broad audience.
Department of Forensic Medicine (DoFM)

DoFM is a department within SPHPM and exists in parallel with an operational forensic medical service at the Victorian Institute of Forensic Medicine (VIFM). This is the only university in Australia with this unique arrangement. This allows the Department to continue to advance the discipline of forensic medicine and its associated sciences through training and development of future practitioners, while increasing the evidence base through research. Many of our staff members are world leaders in their disciplines and this has contributed to an international reputation for excellence.

A re-organisation of the Institute occurred early in 2015. Dr Richard Bassed was appointed as the Head of Teaching and Training to enhance the management of these important functions. He will also facilitate the future expansion of teaching and training capability, to enable better planning processes and to add to our existing pedagogic functions.

During the year the Faculty approved expansion of the Master of Forensic Medicine degree to also include science graduates and to evolve the degree into the current architecture model. This allows for an increased number of enrolments enabling the course’s future success and sustainability. DoFM is also involved in teaching the Medical Law tutorial program, to MBBS students, and the Forensic Evidence; Law, Science, Medicine and Technology unit (previously elements of forensic medicine) in conjunction with the Law Faculty. Two short courses were held in 2015 in medical imaging and forensic odontology. Both were well received and will be repeated in 2016.

In 2015 the International Program, led by Professor Stephen Cordner, secured funding from the Department of Foreign Affairs and Trade for Forensic Medical Fellowships at VIFM for two Palestinian and three Colombian forensic doctors. Additionally the Institute hosted placements by forensic doctors from Fiji (1), Saudi Arabia (2), Singapore (2) and the United Arab Emirates (2), and a forensic scientist from Thailand. A number of specialist deployments also occurred during the year to provide specialist advice in aspects of forensic medicine.

DoFM, in conjunction with VIFM, has produced many significant research findings that have contributed to death and injury prevention and public health benefits that are led by the Department Head, Professor Olaf Drummer. These included:

- The Health Law and Ageing Research Unit led by Professor Joseph Ibrahim comprises a multi-disciplinary team with expertise in forensic investigation, public health, health care, aged care and law. The Unit is using existing information from medico-legal death investigations for improving care of older people through the identification of opportunities for improvement and to inform changes to promote optimal practice through development of new resources, policies, procedures and protocols for aged care and health professionals. Current projects include preventable deaths in aged care research and dignity of risk research. The Unit also produces the Residential Aged Care and Clinical Communiqués.

- The Injury Prevention Research Unit is led by Professor Joan Ozanne-Smith. She contributed to a collaborative evaluation study of the Violence and Injury Prevention mentoring program of WHO; a feasibility study for an evaluation of the effectiveness of the Australian mandatory standard for reduced fire risk cigarettes in collaboration with the Melbourne Metropolitan Fire Brigade; and translation activities such as the potential for synergy between safe drinking water programs and drowning prevention.

- Dr Jennifer Pilgrim led the Drug Harm Prevention Unit that included research on the role of alcohol and other drugs in deaths including paediatric deaths, drug deaths of health professionals. She also continued work on the ‘Toxicolist’ project, the world’s first evidence-based reference database for toxic concentrations of drugs in humans, in collaboration with colleagues at the Karolinska Institute, Stockholm and the National Board of Forensic Medicine, Linköping, in Sweden. Dr Pilgrim has a number of other significant research collaborations including INSERM (France), Victorian Department of Health, Australian National University and several Melbourne-based hospitals.

- Professor Drummer, in collaboration with two overseas placements (Ms Xin Wang, University of Copenhagen and Professor Ping Xiang of the Key Laboratory for Forensic Medicine, Shanghai) produced two critical reviews relating to the interpretation of drug concentrations in hair. He also published his findings on the involvement of prescription drugs in road trauma and presence of new psychoactive drugs in drivers.

During 2015, DoFM produced over 46 publications, of which 38 were peer-reviewed journal articles, with the remainder comprising of books and book chapters.
Monash Centre for Health Research and Implementation (MCHRI)

- Women’s Public Health Research Program
- Diabetes and Vascular Medicine Research Program
- Centre for Clinical Effectiveness (CCE)
- Research Methodology Support Program
- Evidence Synthesis, Capacity Building, Training, Healthcare Improvement and Implementation Program
- Indigenous and Refugee Women’s Health Program
- Healthy Lifestyle Program
- Midlife Health and Menopause Program
- Clinical Leadership and Management
Women’s Public Health Research Program

Professor Helena Teede (Head)

The Women’s Public Health Research Program encompasses research fellows, students and staff with a variety of backgrounds including medicine (endocrinology, obstetrics), basic science, dietetics, exercise physiology, nursing and health promotion. The Unit has a number of focus areas including Polycystic Ovary Syndrome (PCOS) and reproductive health, obesity and diabetes in pregnancy and menopause and midlife health. Translation to a range of stakeholders including researchers, clinicians, consumers and policy makers is fundamental to the activities of this unit and is facilitated through links to the NHMRC and NGOs. The Program works across the continuum of adverse lifestyle related reproductive and metabolic health and overlaps with many activities in the other MCHRI programs.

Some of the major projects include:

- Insulin resistance and metabolic disease
- PCOS Research including an NHMRC Centre for Research Excellence
- Pregnancy complications, Gestational Diabetes and obesity in pregnancy including international collaborations funded by the NIHR
- International guidelines, implementation and evaluation
- Metabolic, diabetes and vascular health in women
- Midlife Health and Menopause studies.

Diabetes and Vascular Medicine Research Program

Professor Sophia Zoungas (Head)

The Diabetes and Cardiovascular Research Unit is undertaking a variety of projects emphasising formative and translational research in the area of diabetes and prevention of cardiovascular disease. The Unit frequently collaborates with other institutions (such as Ambulance Victoria) and hospital departments (including nephrology, podiatry, infectious diseases, dietetics and the emergency departments) across Monash and Alfred Health to promote a multidisciplinary approach to clinical research that can be translated to clinical practice with the aim of improving health outcomes for patients.

Current project themes include:

- Statins and Healthy Ageing
- Diabetes Clinical and Self-Management Quality Indicators and Audits
- Gestational Diabetes Management
- Health Service Development in Diabetes
- Diabetic Emergencies
- Vitamin D supplementation and the Prevention of Diabetes
- Nutrition/Neutraceuticals
- Industry Drug Trials.
Centre for Clinical Effectiveness (CCE)

Ms Angela Melder (Manager)

CCE is an evidence-based practice support unit that partners with health professionals, managers and executive leadership to implement evidence-informed practice to improve healthcare.

Currently, CCE represents a unique model of evidence-based support working within a health service. In collaboration with Monash University and Monash Health, CCE is able to respond directly to the need for research translation with relevant and high quality reviews of the evidence conducted by a skilled and experienced team.

Our information, expertise and resources guide health service personnel in using the best available evidence to inform decision-making throughout the organisation and in everyday clinical practice.

In 2015 CCE undertook the following reviews that have influenced organisation wide change:

- The Weekend Effect: A literature review about the impact of day of week and time of day of presentation on patient outcomes.
- Effective strategies to manage prescribing errors in hospital patients with known medication allergies: A literature review.
- A rapid literature review about strategies to support healthcare delivery during the winter.
- An overview on the clinical effectiveness and cost-benefit analysis of robot-assisted surgery compared to open or laparoscopic surgery.
- Effectiveness of intermittent pneumatic compression with/without pharmacological prophylaxis in addition to or in place of graduated compression stockings in Urology and Neurosurgery.
- Best practice for conducting morbidity and mortality reviews.

Website: http://www.monashhealth.org/index.php/page/CCE

Research Methodology Support Program

Dr Maree Powell (Head)

The Research Methodology Support Program is based at the Monash Health Translation Precinct and aims to support and build capacity for clinical research and for implementation/translation into clinical practice. Capacity building in these areas is a major priority for MCHRI, Monash Health and Monash University, and in general aims to enable healthcare improvement.

The Research Methodology Support Program provides clinical teams and postgraduate students with access to support in trial design, data management, project management, healthcare improvement expertise and systems approaches, epidemiology and biostatistics, evidence synthesis support, health economics links, granting opportunities and implementation/evaluation expertise.

MCHRI also facilitates collaborative integration across the clinical research interface, engaging researchers with multidisciplinary health professionals, Monash Health and Monash University to bring about the integration of research into clinical practice for the purpose of healthcare improvement.
Evidence Synthesis, Capacity Building, Training, Healthcare Improvement and Implementation Program

Dr Marie Misso (Head)

The MCHRI Evidence Synthesis, Healthcare Improvement and Implementation Program, based at the Monash Health Translation Precinct, aims to build a clinical translational research culture and capability among health professionals in the pursuit of continued healthcare improvement at Monash Health.

Using knowledge translation principles and medical education frameworks, a training program has been co-designed with multidisciplinary engagement, underpinned by formative research to determine the needs and preferences of health professionals in this setting. Support and short courses are offered to health professionals in Monash Health to build capacity in user driven research and integration of research into clinical practice.

Support and training is linked to Monash Health Research Directorate, Medical Education and Ethics programs, as well as Monash University programs, and external organisations such as the Institute for Healthcare Improvement. Clinical, health services and healthcare improvement research are priority areas within the program.

Indigenous and Refugee Women’s Health Program

Dr Jacqueline Boyle (Head)

The Program focuses on the implementation and scale up of evidence into practice and policy in health care across the life course. Our program focuses on women who may experience disadvantage due to location, socioeconomic circumstances or health condition. We aim to lead research and translate new knowledge to understand and address key factors that underpin health inequalities in Australian women from health promotion through to health care provision and health behaviours.

In 2015 projects included building capacity in Aboriginal and Torres Strait Islander Women’s Health Research. In collaboration with the Indigenous HealthInfonet we launched an online “Yarning Place” to facilitate knowledge exchange. We also developed a program of screening for mental health in pregnancy for refugee women at Monash Health, with implementation and evaluation to commence in 2016. Our other projects included collaborating with Co-Health to increase awareness of and improve models of care for Aboriginal women with PCOS and partnering with the CRE for Integrated Quality Improvement to assess pregnancy care, to identify gaps and engage with service providers to improve care nationally in primary health care centres serving predominantly Aboriginal and Torres Strait Islander women.

Healthy Lifestyle Program

Dr Cate Lombard (Head)

The Healthy Lifestyle Research Program aims to impact on population health through research into the prevention and treatment of obesity and the promotion of healthy eating and physical activity at a population level and in high risk groups.

The team includes dieticians, exercise physiologists, epidemiologists and clinician endocrinologists with expertise across mechanistic research, clinical trials, epidemiological research and health services research. Translation of evidence into practice in obesity is a key focus of this team. For this reason extensive evaluation has been completed on lifestyle interventions.

Current major projects include:

- Lifestyle interventions: NHMRC funded cluster RCT “Preventing weight gain in reproductive age women living in rural communities”.
- Pregnancy healthy lifestyle activities: Optimal lifestyle interventions in pregnancy are being studied collaboratively in an international individual patient data meta-analysis. Guidelines on optimal gestational weight gain are being updated through large scale international data analysis.
- Diet quality is being studied in pregnancy including developing a short dietary assessment tool for pregnancy and studying diet quality in high risk groups including in ethnic groups and obese women.
- Lifestyles, physical activity, drivers and impact of obesity are also being studied in Polycystic Ovary Syndrome.

Midlife Health and Menopause Program

Clinical Associate Professor Amanda Vincent (Head)

The Midlife Health and Menopause program, based at the Monash Health Translation Precinct, aims to explore issues related to menopause including clinical management, consumer/health professional education and service delivery to optimise understanding and clinical care for the menopausal woman.

The Program has expertise in clinical trials, questionnaire surveys, education, translation and a developing interest in quality improvement research. A specific area of interest relates to early or premature menopause, where women under 45 develop menopause, either spontaneously or secondary to medical treatments.

The Program has well developed links to the clinical services of Monash Health’s Menopause Unit and Departments of Endocrinology, Gynaecology and Oncology; research support provided by MCHRI; and established collaborations with the Monash Health Department of Medicine, Hudson Institute, Jean Hailes’ Foundation for Women and consumer organisations. These multidisciplinary collaborative engagements facilitate the Program’s research aims.
Clinical Leadership and Management

Professor Erwin Loh and Professor Just Stoelwinder

The Clinical Leadership and Management Unit aims to provide health service managers and clinicians with the knowledge and skills to lead and manage healthcare organisations. Over six two-weekly modules, students explore key management theories and leadership skills, gaining knowledge in clinical leadership and management, designing and coordinating health professional work processes, and managing change and projects.

The two on-site block day programme facilitates face-to-face meeting between students with presentations by eminent leaders such as Kym Peake, the Secretary of the Department of Health and Human Services; Air Vice-Marshal Tracy Smart, Commander Joint Health and Surgeon General of the Australian Defence Force; George Savvides, Managing Director of Medibank; Associate Professor David Hillis, Chief Executive Officer of the Royal Australasian College of Surgeons; and Dr Bennie Ng, previous Senior Advisor to the Prime Minister.
Education

- Undergraduate Teaching
- Postgraduate Teaching
- Doctoral Training
- Short courses
Undergraduate Teaching

Monash University Bachelor of Health Science (BHSc)

The Bachelor of Health Science (BHSc), taught at the Caulfield Campus saw great leaps in 2015. A total of 106 new students were enrolled in the BHSc, with another 33 students commencing the Bachelor of Health Science/Bachelor of Social Work. A total of 371 new and ongoing students maintained enrolment in the BHSc and related double degrees in 2015. The content and scope of this degree is diverse, with units covering a variety of subjects such as epidemiology, policy and politics, contemporary health challenges and public health.

The flexibility of the degree enables students to pursue further studies through Honours or other postgraduate study as well as providing them with the resources to seek employment in the diverse field of allied health. Within the Honours program, seven students completed the year long course.

Developments in 2015

The degree is undergoing significant change for 2016. The Bachelor of Health Science/Bachelor of Business took its final intake of students in 2014. In 2016, students will have the opportunity to specialise in the following areas: Public Health Science (the restructured Bachelor of Health Science); Human Services; Radiation Sciences; or Emergency Health and Paramedic Practice. The restructured course provides students with a clear foundation in health science, which then articulates into a specialist field of their interest.

Website: [http://www.monash.edu.au/study/coursefinder/course/3882/](http://www.monash.edu.au/study/coursefinder/course/3882/)

Bachelor of Medicine and Bachelor of Surgery (MBBS)

The School makes an important contribution to Theme 2 of the MBBS program, which is called ‘Population, Society, Health and Illness’ and is taught in each year level of the course. The school entry MBBS program runs at the Central Medical School at Clayton as well as at the Sunway campus in Malaysia. The graduate-entry program runs at Churchill in Gippsland.

Year 1: Dr Helen Ackland coordinates Health, Knowledge and Society in the first semester and Professor Robin Bell coordinates Population Health in Semester 2. Ms Penny Robinson coordinates the tutors for Population Health as well as contributing to the lecture program and curriculum development.

Year 2: Professor Robin Bell coordinates Health Promotion Program, which runs in both semesters. We now also run a two-week program in each semester called Prevention Science. This runs in parallel with the Rural Health Program and is attended by 40 students in each semester at the Alfred Hospital campus. Dr Basia Diug took over the coordination of the Prevention Science Program in 2015. Many of the senior staff from SPHPM teach into this program, which is very popular with the students.

Year 3: Associate Professor Dragan Ilic coordinates Evidence Based Clinical Practice (EBCP) that runs in both semesters and Dr David Goddard coordinates Occupational and Environmental Medicine that runs in Semester 2.

Year 4: EBCP continues throughout Year 4 under the direction of Associate Professor Dragan Ilic. In Semester 1 of Year 4, Professor Just Stoelwinder coordinates Health Systems, Management and Policy.

Year 5: Dr Helen Ackland coordinates an on-line module in International Health and Professor Robin Bell and Dr Fiona Jane coordinate a module on Midlife Women’s Health. A new module on Refugee Health coordinated by Dr Helen Ackland is expected to commence in 2016.

New developments in 2015

Plans are underway for the transition of the undergraduate medical course at Monash to an MD (Doctor of Medicine) program that will commence in 2017. SPHPM will be heavily involved in this new program by delivering online material in Year 3 on research methods and then hosting final year students for their scholarly intensive research experience in Year 5.
Honours Student Profile: Oliver Huse

Oliver Huse completed a Bachelor of Biomedical Science and Commerce in 2014 at Monash University. This spurred an appreciation for both disciplines, as is so often the benefit of an undergraduate double degree.

Oliver said he was especially drawn to epidemiology and population health. “This became the obvious natural path to pursue following the completion of my undergraduate studies so I chose to undertake an honours year with SPHPM. “I felt as though I did not yet have the experience needed to immediately start work in the field and so I commenced honours with the idea of learning new skills that would aid me in, and improve my understanding of life in public health research,” Oliver said.

Oliver’s honours project was based at the Baker IDI under the supervision of Dr Kathryn Backholer and Dr Alice Owen, and examined the socioeconomic patterning of trans fatty acid intake among Australian adults. Oliver’s research is especially relevant in Australia due to the minimal trans fatty acid regulating policies that are currently in place, alongside the known link between intake of these fats and risk of cardiovascular disease.

“I feel that the main benefit from studying at SPHPM was experiencing life as a researcher rather than as a student. I really felt like I was part of a research team. This and the excellent support I received from everyone at the SPHPM and the Baker IDI has greatly increased my desire to continue pursuing a career in research,” Oliver said.

Following the completion of his thesis, Oliver has been fortunate enough to continue working with Professor Anna Peeters and her research group, which he was associated with through his honours year.

“I have been able to continue with a similar line of investigation, including beginning the process of publishing my honours research. If everything goes well I hope to continue with Professor Peeters and her team over the next few years before looking at undertaking a PhD,” Oliver said.

Oliver’s strongest piece of advice to students considering undertaking an honours year is to embrace the experience wholeheartedly and not put-off starting their research.

“The more time you spend with your supervisors and other researchers the more you will enjoy and learn from your honours year, and the more successful your end result will be. I thoroughly enjoyed my time with SPHPM and highly recommend the School as an honours option.”
Undergraduate and Graduate Entry Medical Law Programs

SPHPM teaches medical law at an undergraduate and graduate level to students enrolled in medicine. The content encompasses 10 different fields of law which are associated with clinical practices. The tutorials have included various professionals including medical lawyers, staff from the Victorian Institute of Forensic Medicine and clinicians. Associate Professor David Ranson is the current Course Convener of the Medical Law Program. The Program encompasses topics such as negligence in clinical practice, mental health legislation and organ and tissue donation.

Elements of Forensic Medicine

For 24 years, the Department of Forensic Medicine and the Faculty of Law have jointly offered teaching to undergraduate law students in the Elements of Forensic Medicine Unit, a unique option in the law curriculum. Each year Emeritus Professor Louis Waller and Professor Stephen Cordner provide current and relevant information to students using a variety of innovative sources.

Bachelor of Biomedical Science

SPHPM's BMS1042: Biomedical Science and Society is the School's biggest core biostatistics and epidemiology undergraduate unit, with 468 students enrolled in 2015. Unit Coordinator Dr Basia Diug consistently incorporates new and innovate methods of teaching to ensure that students are not only reaping the best benefits but are engaged across the module, including innovative teaching techniques with Q&A panels and a strong public health approach. The Unit embraced a ‘partners in teaching approach’ between staff and students, with weekly polls on current public health topics giving the students opportunities to express their view and thoughts on relevant topics in the field.

A new elective was also incorporated into the degree, BMS3990: Action in Biomedical Science Minor Research Project, allowing students to work alongside a supervisor and complete a research project, enhancing their skills in research development and completion. This is in addition to the existing core unit BMS3021: Molecular Medicine and Biotechnology and two other electives – BME3032: Introduction to the Health System and HSC3011: Contemporary Health Challenges. In 2015, a number of Bachelor of Biomedical Science students completed the SPHPM Summer Vacation Scholarship Program as well as four students completing the Bachelor of Biomedical Science Honours Program.

SPHPM Summer Vacation Program

In 2015, 20 students completed the Summer Vacation Program, a competitive one-month scholarship program offered by SPHPM. Students involved are completing degrees in the Bachelor of Biomedical Science, Bachelor of Health Science and the Bachelor of Medicine and Surgery. Each student works closely with a senior researcher, completing a small research project or working with existing research being undertaken by the relevant department. Students within the program have the opportunity to visit the Victorian Institute of Forensic Medicine and the Emergency Department and the Intensive Care Unit at the Alfred Hospital. Students are also privy to attend the many seminars and events hosted by the school. Feedback from the program has been positive, with students enjoying the chance to experience research first hand and improving their clinical, statistical and research skills. Students are also able to better understand the several career pathways open to them in medicine and health.
Postgraduate Teaching

Postgraduate Courses by Coursework

In 2015 the Department of Epidemiology and Preventive Medicine (DEPM) offered postgraduate courses by coursework in Public Health, Biostatistics, Clinical Research Methods, Health Services Management, International Health, Occupational and Environmental Health.

Overall our course enrolment numbers continued to grow with over 650 postgraduate students enrolled in DEPM postgraduate courses by coursework; 137 of these were enrolled in one of the two new online Masters programs introduced in 2014.

Sixty postgraduate units were taught across various teaching periods, mainly in online plus block mode, online or in day mode.

Our international students who enrolled for the first time came from Myanmar, Canada, Fiji, Hong Kong, Japan, Nepal, Nigeria, PNG, Saudi Arabia, Singapore, Taiwan and the United Kingdom. This is a strong indication of the calibre of our courses and the international reputation we have in medical education and research at the SPHPM and the wider Monash University community.

Public Health

The Master of Public Health (Multi-modal) remains the most popular program within SPHPM under the coordination of Dr Helen Kelsall.

The course provides the full range of quantitative, analytical and communication skills necessary to work in the broad domain of public health. It also provides skills in the quantitative methods of the population-based health sciences and their problem-solving application for primary care provision within Australia and developing countries.

The Master of Public Health (Online) is the new online program consisting of 12 core units taught in six-week teaching periods which commenced in mid-2014.

Both these Public Health courses are accredited by The Australasian College of Health Service Management (ACHSM).

Health Services Management/Health Administration

The Master, Graduate Diploma and Graduate Certificate of Health Services Management provides professionals currently in, or seeking to be in, middle and senior health care management positions who wish to expand their knowledge and skills in the management of health services. This course caters for the special needs of medical and general hospital administrators, clinical doctors, quality assurance managers, team leaders, senior nursing administrators, unit managers and a range of general task coordinators within the health care system.

The Master of Health Administration (Online) is the new online program consisting of 12 core units taught in six-week teaching periods that commenced in mid-2014.

Both these Public Health courses are accredited by The Australasian College of Health Service Management (ACHSM).

Biostatistics

The Master, Graduate Diploma and Graduate Certificate in Biostatistics courses are taught as part of a national consortium of universities known as the Biostatistics Collaboration of Australia (BCA).

This course provides a sound understanding of the theory and application of biostatistics relevant to professional practice and will assist the acquisition of skills and experience in complex statistical analyses, identifying and implementing appropriate statistical methodology, communicating biostatistical results and understanding biostatistical literature. The Master course develops the technical skills for commencement in a professional career as a biostatistician.

Clinical Research Methods

The Master, Graduate Diploma and Graduate Certificate in Clinical Research Methods assist health professionals to make rational evidence-based decisions in clinical practice and undertake small clinical research projects.

This course adopts an integrated approach to learning, with a case oriented focus so practitioners can learn how to apply academic theory and knowledge to practical clinical situations.

International Health

The Master and Graduate Diploma in International Health courses are offered in collaboration with SPHPM’s Michael Kirby Centre for Public Health and Human Rights and the Centre for International Health at the Burnet Institute. These courses provide the skills necessary to design, implement and evaluate the relevant programs that address the major public health priorities of communities in developing countries.

In addition, students have the opportunity to learn about human rights, ethics, law and development. Public health issues are presented in the broader context of economic and social development, stressing cultural, political, gender and environmental influences, and the impact of armed conflict and population migration.

Occupational and Environmental Health

The Master, Graduate Certificate and Graduate Diploma in Occupational and Environmental Health courses provide workplace professionals with the skills and knowledge to prevent and manage occupational risks and related health problems.

This course also provides health professionals with the skills necessary to evaluate health problems in communities thought to be associated with industrial activities, and control related hazards and risks. It is particularly suitable for medical practitioners, nurses, allied health personnel, scientists and occupational health and safety managers.

The Master and Graduate Diploma are accredited by the Australian Occupational Health Safety Education Accreditation Board (AOHSEAB) and recognised by Australasian Faculty of Occupational and Environmental Medicine (AFOEM) and Royal Australian College of General Practitioners (RACGP) points can be applied for annually.
Highlights

• Good growth in international student numbers.

• A number of our units are now offered in courses offered outside our School. These include the Master of Medicine (Perioperative), Master of Emergency Health, Graduate Diploma in Health Economics, Graduate Diploma in Pharmacoeconomics and the Graduate Diploma in Pharmacy.

• New unit codes were set up specifically for PhD students enrolling in our Master of Public Health units.

• The Health Services Management courses transitioned to Course Architecture.

• Further development of the structured program for our international students and the introduction of site visits to Public Health and Community Health organisations for international students to see public health in action.

• The Research and Writing Skills class and online module was further developed and will continue to be offered.

Forensic Medicine

The Department of Forensic Medicine offered the Master of Forensic Medicine. This program, catering for medical and dental practitioners working (or proposing to work) in the field of forensic medicine, is the only course of its kind in the English speaking world. The course fills a unique niche in the educational domain of clinical forensic medicine and enables forensic medical practitioners and forensic odontologists to practice within the framework of ethical, medical and legal principles, standards and rules.

Highlights of the course

• There were 54 students enrolled in the course. Enrolments were from all Australian states and territories, New Zealand, Nigeria and Kenya. Sixteen students successfully completed their Masters, and an additional six students have taken an ‘alternate exit’ with a Graduate Diploma or Graduate Certificate.

• The odontology units introduced in 2013 have successfully run for three years. There were eight dental students enrolled in 2015, two of whom successfully completed their Master of Forensic Medicine. There are an additional four dental students commencing in 2016.

• Dr Richard Bassed assumed the role of Course Coordinator in February 2015.

• Unit Coordinator Professor Dawn Elder stepped down after teaching Child & Adolescent Sexual Abuse for four years.

• A new unit, ‘Elements of Forensic Anthropology’ was approved and will commence in Semester 1 2016, coordinated by Dr Soren Blau (Senior Forensic Anthropologist at the Victorian Institute of Forensic Medicine).

The International Public Health Training Program

SPHPM trains doctors and dentists from overseas to take-up senior roles in public health in their home country. Our main participants are from Sri Lanka, however we welcomed the first trainee from Saudi Arabia in 2015.

We had eight medical graduates at the SPHPM, they undertook research in the areas of Occupational Health, Rheumatology, Clinical Registries, Women’s Health, Global Health, Infectious Diseases, Health Services Research and ASPREE.

As part of their training program they visited a number of public health organisations which included the Ambulance Victoria, Heart Foundation, Cancer Council, Baker IDI, Melton City Council and The Alfred Hospital. The School thanks these organisations for their ongoing support hosting this program.

This program has been running for over 10 years within the School and is coordinated by Dr Jay Illesinghe.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Student Course Enrolments</th>
<th>Student Course Completions</th>
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<tbody>
<tr>
<td>Master of Public Health (Multimodal)</td>
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<tr>
<td>Master of Public Health (Online)</td>
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<td>Graduate Certificate of Clinical Research Methods</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<td>Master of Forensic Medicine</td>
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<tr>
<td>Master of Health Services Management (Multimodal)</td>
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<tr>
<td>Master of Health Administrative (Online)</td>
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<td>Graduate Diploma in Health Services Management</td>
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<td>Graduate Certificate in Health Services Management</td>
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<tr>
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<td>Master of Occupational &amp; Environmental Health</td>
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<td><strong>Total postgraduate course enrolments and completions</strong></td>
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</tbody>
</table>

as at 13/01/2016 Monash Business Intelligence Service
The SPHPM HDR program has trained many health professionals for senior careers in public health in Australia and overseas. The program has continued to grow and thrive, attracting students from around Australia and globally. HDR students come from many backgrounds, including medicine, science, physiotherapy, public health, psychology, nursing, social science and more.

Student progress is facilitated by a very strong research environment that includes a broad program of NHMRC funded projects and access to extensive infrastructure. Support is provided in biostatistics, data management, computing and from experienced staff for the large student body. Support is also provided by the Good Research Governance Coordinator, who can advise HDR students on the development of protocols and adherence to strict research guidelines.

At the end of 2015, during which 24 new students enrolled and 26 passed, HDR students numbered 155. These comprised 137 PhD, two MD (Doctor of Medicine), six DPH (Doctor of Public Health), six M Phil and four M Surg students. Of the 26 who passed, 27 per cent were passed with no amendments.

Dr Elizabeth Douglas, HDR Program Coordinator, oversees a tight program of milestone reviews to ensure that projects are feasible and innovative and students progress satisfactorily. She also provides pastoral support for students facing challenges. Ms Natalie Pekin and Ms Pamela Butt, 2015 HDR administrators, provide administrative assistance.

### Awards received by Doctoral Students in 2015

**Dr Sally Abell**
Finalist, Bryan Hudson Clinical Endocrinology Award Session, Endocrine Society of Australia Annual Scientific Meeting
First Prize for Clinical Poster, Australian Diabetes Society Annual Scientific Meeting 2015
Endocrine Society of Australia Ipsen European Travel Award, for Diabetes in Pregnancy Meeting, Berlin
Australian Diabetes Society Travel Award, Australian Diabetes Society Annual Scientific Meeting
Early Career Investigator Award, Monash Health Research Week 2015
Second Prize for Poster in Women's Health, Monash Health Research Week 2015
US Endocrine Society Early Career Forum Travel Award, US ENDO conference, San Diego
Monash Postgraduate Travel Award, US ENDO conference, San Diego

**Frances Ampt**
Australian Postgraduate Award
NHMRC Postgraduate Scholarship
Educational Support Grant, Sexual Health Society of Victoria

**Estifanos Baye**
Monash International Postgraduate Research Scholarship
Monash Graduate Scholarship

**Oliver Black**
Public Health Congress Travel Award

**Tara Boelsen-Robinson**
Australian Postgraduate Award
Faculty Excellence Award

**Sam Brillean**
NHMRC Postgraduate Scholarship
Faculty Excellence Award
ViCBioStat Top-up Scholarship

**Susie Cartledge**
1st Prize, SPHPM heat of the Trans-National Three Minute Thesis Competition
People’s Choice Award, Faculty of Medicine, Nursing and Health Sciences heat of the Trans-National Three Minute Thesis Competition
Affiliate Nursing Prize of the Cardiac Society of Australia and New Zealand
2nd Place, Free Paper Presentation, Australian Resuscitation Council Spark of Life Conference
NHMRC Postgraduate Scholarship

**Catherine Chamberlain**
NHMRC Early Career Fellowship
NHMRC Rising Star Award for highest ranked application from an Indigenous person

**Dr Oyun Chimeddamba**
Travel Grant, Diabetes Epidemiology Group
Monash Postgraduate Travel Grant for Oxford International Health Conference, UK

**Louisa Chou**
Arthritis Foundation Scholarship
Australian Postgraduate Award
Faculty Postgraduate Excellence Award

**Dr Otgontuya Dugee**
Prince Mahidol Award Foundation Travel Grant for Prince Mahidol Conference, Bangkok

**Kylie Dyson**
Australian Prehospital Emergency Health Research Forum (APEHRF)
David Komesaroff Award for Best Paper, Paramedics Australasia International Conference (PAIC)

**Kathryn Eastwood**
Australian Postgraduate Award
Australian Prehospital Emergency Health Research Forum (APEHRF) David Komesaroff Award for Best Paper, Paramedics Australasia International Conference (PAIC)
2015 Paramedics Australasia International Conference (PAIC) Scholarship

**Pragya Gartoulla**
Australian Menopause Society Scientific Award for most meritorious contribution to the field of menopause by an Australian or New Zealand investigator

**Dr Neil Glassford**
Associate of the Australian Academy of Health and Medical Sciences for young scientists inducted into the Academy’s Mentoring Programme
NIHES/Erasmus Summer Programme (ESP) Fellowship 2015

**Katherine Gibney**
Australian Society of Infectious Diseases (ASID) Annual Scientific Meeting Council Scholarship
Jessica Harding
Paul Korner Award for outstanding achievement by a PhD student, Baker IDI
Monash Publication Award
Friends of Baker IDI Travel Award
International Diabetes Epidemiology Group Travel Grant
Three minute thesis competition, International Diabetes Epidemiology Group

Dr Ingrid Hopper
NHMRC Early Career Fellowship
Royal Australasian College of Physicians Vincent Fairfax Family Foundation Research Fellowship

Maggie Johnson
Australian Postgraduate Award

Digsu Koye
Baker IDI Bright Sparks PhD Scholarship Top-Up

Prabhat Lamichane
Monash Postgraduate Travel Grant for Australian Health Economics Society Conference, Brisbane

Minh Le
Monash Alfred Psychiatry Research Centre Award, Alfred Health Research Week Best Oral Presentation Prize, Mini conference, AMREP Early and Mid-Career Researchers Retreat

Carol Lunny
Monash International Postgraduate Research Scholarship
Australian Postgraduate Award

Dr Charles Milne
Sam Mellick Travel Scholarship, Australian and New Zealand Society for Vascular Surgery Hugh Johnston Travel Grant, Royal Australasian College of Surgeons
Six-month Fellowship at the Aortic Centre, Lille University Hospital, France
Award for highest-scoring candidate, European Board of Vascular Surgery fellowship examinations

Natasha Morris
NHMRC Public Health scholarship
Rotary Club (Alice Springs NT) – Postgraduate scholarship
Maylean Jessie Cordia Scholarship – Australian College of Nursing

Aya Mousa
1st Prize Endocrinology Prize Clinical Research, Monash Health & MHTP Research Week Poster Competition
Finalist, Australian Diabetes Society Clinical Science Poster Award
Travel Grant, Australian Diabetes Society Conference, Adelaide

Dr Negar Nadeepoor
Polycystic Ovary Syndrome CRE scholarship
Monash Clinical Academic Training Fellowship
Australian Postgraduate Award

Anh Nguyen
AusAid Scholarship
Trang Nguyen
Monash International Postgraduate Research Scholarship
Monash Graduate Scholarship

Dr Geraldine Ooi
Australian Postgraduate Award

Ebenezer Owusu-Addo
Monash International Postgraduate Research Scholarship
Sir James McNeil Scholarship
Faculty Postgraduate Excellence Award

Samantha Rowbotham
Alfred Medical Research and Education Precinct Early-Mid Career Researchers
Retreat Oral Presentation Award

Kathleen Ryan
Sexual health Society of Victoria Educational Support Grant
Miller Foundation Public Health Travel Award

Stella Samoborec
PhD living allowance scholarship, Capital Markets Cooperative Research Centre, Sydney, NSW

Maryam Tabesh
Monash International Postgraduate Research Scholarship
Monash Graduate Scholarship
Baker IDI Bright Spark Top-up Scholarship

Clare Tipping
Assoc Investigator on successful grant, Medical Research Foundation, Royal Perth Hospital

Ralph Tramm
The Alfred Nursing Research Committee Award
Australian Epidemiological Association Student Travel Grant
Australasian Epidemiological Association (AEA) 2015 Student Award
Second prize, Annual Award for Academic Excellence in Traumatic Stress Research, Australasian Epidemiological Association, Australasian Society for Traumatic Stress Studies (ASTSS)

Dr Amanda Wade
NHMRC Postgraduate Scholarship

Angela Wan
Australian Postgraduate Award

Dr Charles Xie
Best Research Poster Prize, Australasian College of Dermatologists Annual Scientific Meeting
Best Poster in Cancer Research, Alfred Week

Kate Young
Australian & New Zealand Society for the History of Medicine Travel Grant

Edward Zimbudzi
Young Investigator Award, International Society of Hemodialysis Congress
Best Nursing Abstract with non-physician first author, 39th Annual Dialysis Conference
When Susie Cartledge attended the annual ‘Spark of Life’ resuscitation conference in Melbourne in 2013, she did not expect it to lead to a PhD. But when she heard Professor Judith Finn, Director of the Aus-ROC speak about the group’s research and the opportunity of a PhD scholarship she was enticed to investigate further.

Susie was already working as a research nurse within the CCRET unit in the SPHPM, in addition to working clinically on the Cardiac & Thoracic Ward at the Alfred Hospital. Her background in nursing and running her own first aid training business, combined with her passion for empowering people with cardiopulmonary resuscitation skills meant that Aus-ROC provided the perfect framework for her to take the next step and pursue further study.

Susie commenced her PhD in 2014, entitled ‘Targeting basic life support training to family members of high-risk cardiac patients’, and is supervised by Professor Finn, Dr Janet Bray and Dr Dion Stub. Susie’s former employer and one of her mentors, the late Professor Henry Krum, was also a key influence in her decision to commence her PhD.

“Working as a research nurse in the Department of Clinical Pharmacology with Professor Krum and a great team gave me a solid foundation of research skills and the passion to want to be able to one day conduct my own research.

“My PhD in the School has given me the opportunity to pursue this interest and to expand both my knowledge and skill set, that otherwise may not have had the chance to develop,” Susie said.

Susie’s research will involve three separate but related studies that will then inform a study to assess whether basic life support training, which includes cardiopulmonary resuscitation, can be incorporated into a cardiac rehabilitation outpatient program for cardiac patients and their family members. She will also investigate whether this target population can actually perform these skills to guideline standards.

“The aim is to ensure that not only more people are being trained in life-saving skills but that the people who are most likely to witness an out-of-hospital cardiac arrest are targeted and offered the opportunity to train”.

Susie has had two busy years of PhD work to date, undertaking three Master of Public Health subjects within the School, which she says have given her essential knowledge and skills that are invaluable to her PhD.

“Through my PhD I have also had the opportunity to attend and present my work at a range of conferences both in Australia and overseas. These conferences have exposed me to current and cutting edge research and practices from all over the world, informing my own research.

“Undertaking my PhD within Aus-ROC, a CRE funded by the NHMRC, has also been an asset for my studies as I am constantly surrounded by research leaders who are at the forefront of out-of-hospital cardiac arrest developments,” Susie said.

In 2015, Susie was the worthy recipient of a variety of awards and accolades for her PhD. She was awarded second place at the Spark of Life Conference for her free paper presentation entitled ‘Do cardiac rehabilitation programs offer cardiopulmonary resuscitation training in Australia and New Zealand’, and then went on to be the 2015 Affiliate Nursing Prize Winner of the Cardiac Society of Australia and New Zealand (CSANZ) Conference for the same presentation.

Susie also competed in Monash University’s 2015 ‘Three Minute Thesis’ competition, where students need to explain their thesis in under three minutes to a lay but intelligent audience. She took out the School-level round and then went onto being awarded the People’s Choice Award at the Faculty-level round.

Undertaking the final year of her PhD studies, Susie is embracing the challenge that lies ahead. Susie also goes into her final year with a freshly awarded NHMRC Postgraduate Scholarship.

“This will be the busiest but most exciting year yet – I will get use the research I’ve done to date to implement the final study of my PhD and teach basic life support to an important group of people. It will be great to put my research and theoretical aspects of my PhD into practice.”

Susie Cartledge talks about her SPHPM journey
In 2015, SPHPM ran 14 Short Courses programs. These courses provide a short-term, rigorous educational program for individuals who would like to improve their knowledge and skills via professional development or who are seeking an alternate pathway to full-time studies. The 2015 Short Courses program was managed by Ms Suzy Giuliano (SPHPM Short Course Manager), Ms Jane Miosge and Desmond Gul (Centre Manager, Monash Centre for Occupational and Environmental Health), and Ms Priya Devadason (Administrative Assistant, SPHPM) under the direction of Professor Andrew Forbes.

<table>
<thead>
<tr>
<th>Course Title and Convenor</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Australian Certificate of Civil Aviation Medicine (ACCAM)</strong>&lt;br&gt;Associate Professor David Newman</td>
<td>This two week course qualifies medical practitioners to register with the Civil Aviation Safety Authority as Designated Aviation Medical Examiners (DAMEs).&lt;br&gt;<a href="http://www.med.monash.edu.au/sphpm/shortcourses/avmednov.html">http://www.med.monash.edu.au/sphpm/shortcourses/avmednov.html</a></td>
</tr>
<tr>
<td><strong>Advanced Practical Aviation Medicine</strong>&lt;br&gt;Associate Professor David Newman</td>
<td>This is a practically-focused course, providing an opportunity to refresh key elements of aviation medicine and offering first-hand practical experience of some important aviation medicine principles.&lt;br&gt;<a href="http://www.med.monash.edu.au/sphpm/shortcourses/adv-av-med.html">http://www.med.monash.edu.au/sphpm/shortcourses/adv-av-med.html</a></td>
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<tr>
<td><strong>Australian Certificate of Civil Aviation Medicine (ACCAM) Refresher</strong>&lt;br&gt;Associate Professor David Newman</td>
<td>This course is specifically designed for past students of the ACCAM course, or those with equivalent training. Most aviation medicine topics will be covered in this course including an aviation physiology refresher and clinical medicine updates.&lt;br&gt;<a href="http://www.med.monash.edu.au/sphpm/shortcourses/avmed-refresher.html">http://www.med.monash.edu.au/sphpm/shortcourses/avmed-refresher.html</a></td>
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<tr>
<td><strong>Ethics and Good Research Training day</strong>&lt;br&gt;Dr Liz Bishop</td>
<td>This short course provides course participants with an understanding of what constitutes good practice in research and what factors make research ethical or unethical.&lt;br&gt;<a href="http://www.med.monash.edu.au/sphpm/shortcourses/ethics-training-day-november.html">http://www.med.monash.edu.au/sphpm/shortcourses/ethics-training-day-november.html</a></td>
</tr>
<tr>
<td><strong>Health Promotion</strong>&lt;br&gt;Ms Ruth Klein&lt;br&gt;Ms Micaela Drieberg</td>
<td>This five-day course for health practitioners develops knowledge and skills for health promotion planning, strategy selection and evaluation.&lt;br&gt;<a href="http://www.med.monash.edu/epidemiology/ghsu/shortcrse/">http://www.med.monash.edu/epidemiology/ghsu/shortcrse/</a></td>
</tr>
<tr>
<td><strong>Introduction to Data Analysis: SPSS without tears</strong>&lt;br&gt;Dr Baki Billah</td>
<td>This short course involves students using SPSS for data analysis. Students have the opportunity to analyse real life medical data and supports for results discussion and conclusion.&lt;br&gt;<a href="http://www.med.monash.edu.au/sphpm/shortcourses/spss.html">http://www.med.monash.edu.au/sphpm/shortcourses/spss.html</a></td>
</tr>
<tr>
<td>Course Title</td>
<td>Instructor</td>
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<tr>
<td>Introduction to Systematic Reviews of Health Interventions</td>
<td>Ms Kelly Allen</td>
</tr>
<tr>
<td>Qualitative Research Methods</td>
<td>Dr Darshini Ayton</td>
</tr>
<tr>
<td>Monash certificate in Clinical Occupational Medicine</td>
<td>Dr David Fish</td>
</tr>
<tr>
<td>Overview and Update in Travel Medicine</td>
<td>Professor Karin Leder</td>
</tr>
<tr>
<td>Survival Analysis with Stata</td>
<td>Professor Rory Wolfe</td>
</tr>
</tbody>
</table>

Students attending the newly created Advanced Practical Aviation Medicine short course held in Singapore got the chance to experience an ejection seat trainer, undergo night vision training and experience high G training in a centrifuge.
Staff
Head of School
Prof John J McNeil; MBBS MSc PhD FRACP FAFPHM Prevention Science

Deputy Head of School
Prof Michael Abramson; MBBS(Hons), BMedSc, PhD, FRACP, FAFPHM Clinical Epidemiology

Deputy Heads – Divisions
Prof John J McNeil; MBBS MSc PhD FRACP FAFPHM Prevention Science
Prof Michael Abramson; MBBS(MHons), BMedSc, PhD, FRACP, FAFPHM Clinical Epidemiology

Prof (DJ) Jamie Cooper; BMBBS, MD, FRACP, FCIM, FAAAAHMS (Australian and New Zealand Intensive Care Research Centre and Centre of Excellence for Patient Blood Management in Critical Illness and Trauma)

Prof Susan Davis; MBBS FRACP PhD (Women’s Health)

Prof Ofal Drummer; FFSC FRCPA FACBS PhD (Meth) CChem BAppSc(Rmtl)

Prof Jane Fisher; BSc (Hons), PhD, MAPS (Jean Halles Research Unit)

Prof Andrew Forbes; BSc(Hons), MSc, PhD, Biostatistics, Epidemiological Modelling

Dr Sue Evans; BN, GdipClinEpi, PhD (Clinical Registry Unit)

Prof Belinda Gabbie; MAppSc, BPhysio, PhD, NHMRC CDA (Pre-hospital, Emergency & Trauma)

A/Prof Manoj Gambhir; BSc, PhD (Epidemiological Modelling)

Prof Sally Green; PhD, Gdip(ManipPhysio), BAppSc(Physio) (Co-director Australasian Cochrane Centre)

Dr Carol Holden; PhD MPH (Andrology Australia)

A/Prof Dragan Ilic; BSc, Grad Dip Rep Sci, MSc, PhD, GCHEP (Medical Education Research & Quality (MERQ) Unit)

Prof Henry Krum; MBBS, PhD, FRACP, FCSANZ (CRE Therapeutics), FESC

Dr. Paul Lacaoe; MSc(Clinical Health Genomics), PhD, (Public Health Genomics Unit)

Prof Karin Leder; PhD, MBBS3(Hons), FRACP, MPh (Infectious Diseases, Water Quality Unit)

A/Prof Bebe Lof; BA, LLB, MA (Medical Law and Ethics), PhD (The Michael Kirby Centre for Public Health and Human Rights)

Dr Catherine Lombard; BSc, GDipDiet, PhD (Healthy lifestyle Program)

Dr Marie Missoc; PhD, BSc(Hons) (Evidence Synthesis)

Prof Paul Myles, MD, FANZCA (ANZSCA Research)

A/Prof David Newman MB, BS, DAVMed, MBA, PhD, FRAES, FASMA, FACAMS, FAICD, FAIM

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Prof Brian Priestly; BPharm, MPharm, PhD (ACHHRA)

Prof Christopher Reid; BA, DipEd, MSc, CertHE, PhD, NHMRC Fellow (Data Management)

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Prof Just Stoelwinder; MBBS, MD, FRACP, FRACMA, FACHE, FAFPHM Health Services

Prof Helena Teede; MBBS, FRACP, PhD (Monash Centre for Health Research and Implementation (MCHRI))

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Prof John J McNeil; MBBS, MSc, PhD, FRACP, FAFPHM (Department of Epidemiology and Preventive Medicine [DEPM])
Prof Michael Abramson; MBBS(Hons), BMedSc, PhD, FRACP, FAFPHM (Clinical Epidemiology)
Prof Robert Atkins; AM, MBBS, MSc(Colorado), DSc, FRACP (Renal Disease Prevention)
A/Prof Anna Barker, MPsych, PhD, GCHEP (Health Services Research)
Prof Robin Bell; MBBS (Hons) PhD MPH FAFPHM Cert Health Econ, Grad Cert Health Prof Educ (Research Governance)
Dr Jacqueline Boyle; PhD, FRANZCOG, MPH&TM, MBBS (Indigenous and refugee Women’s Health Program)
Prof Rachelle Buchbinder; MBBS (Hons), MSc (Clin Epi), PhD, FRACP (Clinical Epidemiology [Calbrini])
Prof Flavia Cicutini; MBBS (Hons), MSc, PhD, DHTM, FRACP, FAFPHM (Musculoskeletal Epidemiology)
Prof (DJ) Jamie Cooper; BMBBS, MD, FRACP, FCICM, FAAAAHMS (Australian and New Zealand Intensive Care Research Centre and Centre of Excellence for Patient Blood Management in Critical Illness and Trauma)

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Miss Megan Swannell
Miss Amanda Tan
Mr Chin Yao Tan
Miss Stephanie Tanamas
Ms Mable Taoi
Ms Rhiannon Tate
Ms Oana Tatucu
Ms Tracy Taylor
Ms Margherita Teasdale
Ms Basile Tech
Dr Jayakrishnan Thavody
Dr Nethmini Thenuwara
Mr Jason Thomas
Miss Katherine Thorn
Miss Jenny Tran
Ms Emily Trevorroo
Mr Patrick Ty
Dr Andrew Underhill
Dr Allison van Lint; PhD
Ms Jessica Van Son
Ms Jubbie Varghese
Ms Numa Vera
Ms Sandra Villella
Dr Heather Waddy
Ms Anna Waldron
Mr Ian Wang
Ms Ling Wang
Ms Lauren Waycott
Mr Joshua West
Mrs Lynette White
Dr Namal Wijethilake
Ms Emily Wilford
Dr Teresa Williams
Ms Tracey Wilkinson
Ms Tricia Wong
Mrs Christina Wyatt
Ms Gillian Yap
Mr Glenn Yong
Miss Claudia Zecena Morale
Mr Michael Zhu
Ms Ella Zoomer

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Dr MD Al-Amin
Deborah Anne Akers
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Hayley Barnes
Miss Melissa Boglis
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Mr Owen Bradfield
Mr Brad Casey
Oyun Chimeddamba
Ms Tegan Daley-Driscoll, BHSc
A/Prof Andrew Davies
Ms Christine Denyer
Micaela Liane Drieberg
Dr David Elder
Dr David Ernest
Ms Beverley Ferres
Mr Leslie Fisher
Ms Pragya Gartouilla
Dr Michelle Gold
Dr Fahad Hanna
Dr Anjali Haikerval
Ms Jessica Lee Harding
Mr Steven Joseph Haas
Dr Linton Harriss
Mr Barbara Hayes
Dr Angela Henjak
Ms Cathie Joy Hillman
Elisha Horat
Md Nassif Hossain
Ryan Hoy
Emdad Hoque
Ms Lucy Hunter
Dr Peter Hunter
Dr Sultana Hussain
Jihan Ibrahim-Dost
Rakib Islam
Ms Marsha Ivey
Renee Jacques
Andrea Maree James
Mr Chris Jones
Mr Mutsumi Karasaki
Md Nazmul Karim
Valerie Anne Kay
Ruth Klein
Mr Nicos Kokotis
Ms Anna Kourbasis
Digsu Koye
Dhanya Nambari Dinesh Kumar
Andrew Lam
Prabhat Lamicchane
Dr John Lange
Mr Qasim Latifi
Ms Jeni Lee
Ms Suzie (Diane) Linden
A/Prof Erwin Loh
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Ms Sandra Neate
Winda Liviya Ng
Emmanuel Ikwuona Onyema
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Dr Sylvia Pomeroy
Ralph Anthony Poppenbeek
Mr Andrew Rakowski
Dr Andrew Ross
Dr Majid Rahgozar
Mr Adam Rubenius
Ms Elisabeth Ryan
Mr Ian Ryan
Berhe Sahle
Dr Amanda Silcock
Scott John Santinon
Anupam Shrestha
Mrs Durga Shrestha
Dr Jurie Snyman
Katrina Jane Stevenson
Dr Lakshmi Sumithran
Miss Danielle Tasko
Mr Tecle Team
Miss Claire Tobin
Dr Teresa Nagorka-Tsindos
Fraser Tul
Vidhya Uddayiar
Anna Vlahandonis
Ms Carolinne Van Gemert
Ms Vanessa Veronese
Melissa Webb
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John Williamson
Meagan Wilson
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Berihun Megabiaw Zeleke

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Mr Khurshid Alam
Ms Marliese Alexander
Dr Frances Ampt
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Ms Thathyia Venu Arivarthan
Ms Sarah Arnup
Ms Sarah Ashton
A/Prof Eugen Athan
Mr Dimitri Batras
Mr Estifanos Baye
Dr Nicola Beamish
Prof Rinaldo Bellomo
Mr Chhavi Bhatt
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Ms MirandaBlake
Dr Irene Bobevski
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Ms Molly Bond
Ms Anna Bowling
Dr Sharmayne Brady
Dr Matthew Brain
Ms Michelle Brear
Mr Sam Brillemann; BSc(4ons) Msc
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Ms Sarah Carmody
Ms Susie Cartledge
Mrs Catherine Chamberlain
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Dr Oyun Chimeddamba
Mr Ken Lee Chin
Dr Louisa Chou
Mrs Alexandra Chung
Ms Barbara Clarke
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Dr Tim Coulson
Dr Genevieve Cowie
Mrs Anna Davey
Ms Parvin Hilton
Dr Gabrielle Diplock
Dr Otgontuya Dugee
Dr Rosie Dwyer
Ms Kylie Dyson
Ms Kathryn Eastwood
Ms Christina Ekergren
Ms Ensieh Fooladi
Ms Louise Francis
Dr Daishiel Gantner
Ms Pragya Gartoulla
Ms Emma Gearon
Dr Katherine Gibney
Ms Melanie Gibson-Helm
Dr Neil Glassford
Ms Rebecca Goldstein
Ms Stella Gwini; BSc(hons), MSc
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Dr Anjali Haikerwal
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Ms Jessica Harding
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Mr Tilahun Haregu
A/Prof Claire Harris
Ms Lisa Higgins
Dr Lisen Hockings
Dr Ingrid Hopper
Dr Emdad Hoque
Miss Bethany Howard
Mr Soe Htet
Mr Molla Huq
Dr Sultana Monira Hussain; MBBS, MPH, PhD
Mrs Rakibul Islam
Mrs Sara ivory
Anju Joham
Ms Maggie Johnson
Dr Daryl Jones
Dr Nazmul Karim
Ms Valerie Kay
Mrs Nicole Kellow
Mr Devaang Kevat
Ms Natasha Khamisa
Ms Gorna Khatri
Mr Philip Kiely
Dr Elizabeth Kilgour
Ms Lara Kimmel
Ms Chebiwot Kipsaina
Mrs Ruth Klein
Dr Naomi Komadina
Mr Digsu Koye
Ms Samantha Kozica
Mr Prabhat Lamichhane
Ms Minh Le
Dr Clement Lo
Dr Ian Loh
Dr Jessica Lockery
Ms Carole Lunny
Dr Victoria Mar
Ms Alison Markwick
Ms Julie Martin
Mr Peter McGlynn
Ms Judith McInnes
Dr Charles Milne
Ms Renata Morello
Mr Benedict Morgan
Ms Rebecca Morris
Mrs Natasha Morris
Mr Christopher Morrison
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Ms Dhanya Namibi
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MrsonTrang Nguyen
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Miss Rebecca O’hara
Mr Daniel O’keefe
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Dr Gerard O’reilly
Dr Neil Orford
Miss Belinda O’sullivan
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Mr Matthew Page
Mr Cameron Palmer
Mr Sameer Pathan
Dr Minh Pham
Ms Rina Pradhan
Mr Tom Ranger
Dr Salmi Razali
Ms Emma Ridley
Ms Angela Rintoul
Mr Andre Rodrigues
Mrs Veronique Roussy
Miss Samantha Rowbotham
Ms Anne Russell
Ms Alana Russo
Miss Kathleen Ryan
Mr Berhe Sahle
Dr Antoine Schneider
Ms Joanna Schwarzman
Mr Rahul Sharma
Dr Sarah Shen
Dr Soulmaz Shorakae
Mr Gavin Smith
Mrs Louise Sparkes
Mr Nathan Stam
Ms Shu Su
Miss Maryam Tabesh
Mr Benjamin Talbot
Dr Ravindranath Tiruvoipati
Ms Claire Tipping
Mr Jason Toppi
Mr Ralph Tramm
Mr Fraser Tull
Ms Caroline Van Germer
Ms Vanessa Veronese
Ms Melanie Villani
Dr Amanda Wade
Dr Nicholas Walsh
Ms Angela Wan
Mr Jason Wasiak
Mr Jason Watterson; RN, BHSc(Nurs), PGDipAdvNur(ICU), MEd
Ms Anna Wilkinson
Mr Yohaness Windi
Ms Rebecca Winter
Ms Evelyn Wong
Ms Rosin Worsley
Ms Cassandra Wright
Ms Breanna Wright
Dr Charles Xie
Dr Bryan Yan
Dr Gary Yip
Ms Kate Young
Dr Berhin Zeleke
Mr Edward Zimbudzi
Hons Students
BMSc Honours Students
Jeremy Abetz
Gerald Alain Aditya
Kenny Augusto
Hilary Brown
Kate Charters
Meth Delpachitra
Isobel Drewett
Grace Fitzgerald
Leonie Harold
Kenny Harsono
Madeline King
Chloe Lanyon
Austin Lee
Nishani Nithianandan
Gabriel Paykin
Christine Phillips
Anria Amanda Pullungan
Connor Rochford
Anton Schwarz
Shaday Wheatley
Prathamamba Wibisono
Bondan Winarno
Nahkita Wolfe
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Kamila Ismail
Stefanus Purba
Fei Fai Savira
Jonathan Widajia
BBioMed Honours Students
Oliver Huse
Waruna Peiris
Saranya Ramesh
Abraham Thananejyan
BHSc Honours Students
Amanda Binny
Madeline Cenedese
Cassandra De Lacy-Vawdon
Caitlin Douglas
Bridge Draper
Penny O’Brien
Marta Woolford
Masters of Biomedical Sciences
Tu Nguyen
Stella Samoborec
## Appendix 1: Grants and Funding

### Grants and Contracts Commencing in 2015

<table>
<thead>
<tr>
<th>Source</th>
<th>Project Title</th>
<th>Names of Investigators</th>
<th>Duration</th>
<th>Amount received in 2015</th>
<th>Total funds</th>
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</thead>
<tbody>
<tr>
<td>Australian Commission on Safety and Quality in Health Care</td>
<td>Developing an implementation approach for Clinical Care Standards</td>
<td>Green, Sally E (CIA); O’Connor, Denise A</td>
<td>2015</td>
<td>$43,039</td>
<td>$56,057</td>
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<tr>
<td></td>
<td>Economic value of Australian registries</td>
<td>Zalberg, John R (CIA)</td>
<td>2015</td>
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<td>Australian Institute of Sport</td>
<td>Biomarker assays for Calcium Study – PINP biomarker analysis</td>
<td>Wang, Bing H (CIA)</td>
<td>2015</td>
<td>$8,275</td>
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<td>Alexion Pharmaceuticals Australasia Pty Ltd</td>
<td>Thrombotic Thrombocytopenic Purpura (TTP) Registry</td>
<td>Wood, Erica M (CIA)</td>
<td>2015</td>
<td>$42,450</td>
<td>$162,050</td>
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<td>Apollo Endosurgery</td>
<td>CORE Research Program</td>
<td>Brown, Wendy A (CIA)</td>
<td>2015</td>
<td>$167,383</td>
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<td>ARC-Discovery Projects</td>
<td>Evaluation in health promotion: gathering evidence to improve effectiveness</td>
<td>Smith, Benjamin J (CIA); Bauman, Adrian; Rissel, Chris; Shilton, Trevor R</td>
<td>2015-2017</td>
<td>$69,145</td>
<td>$147,489</td>
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<td>Australian Red Cross Blood Service</td>
<td>Age of blood, iron metabolism and the TRANSFUSE trial</td>
<td>McQuilten, Zoe (CIA); Wood, Erica M</td>
<td>2015</td>
<td>$76,168</td>
<td>$76,168</td>
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<td>Arthritis Australia</td>
<td>Towards a better understanding of low back pain – risk factors, investigation, and management</td>
<td>Hussain, Sultana M (CIA)</td>
<td>2015</td>
<td>$50,000</td>
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<td>Asbestos Safety &amp; Eradication Agency</td>
<td>Research report on Actual Fibre Release During Asbestos Removal Work</td>
<td>Benke, Geza P (CIA)</td>
<td>2015</td>
<td>$54,589</td>
<td>$54,589</td>
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<td>Australian Communities Foundation Limited</td>
<td>Community based, victim centred restorative justice for sexual violence</td>
<td>Loff, Beatrice (CIA)</td>
<td>2015</td>
<td>$30,000</td>
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<td>Australian Diabetes Society</td>
<td>Reducing ambulance service utilisation for diabetic emergencies</td>
<td>Zoungas, Sophia (CIA); De Courten, Barbora; Smith, Karen L; Soldatos, Georgia; Teede, Helena J</td>
<td>2015</td>
<td>$50,000</td>
<td>$50,000</td>
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<td>Bethlehem Griffiths Research Foundation</td>
<td>2015 BGRF Young Researcher of the year</td>
<td>Bray, Janet E (CIA)</td>
<td>2015</td>
<td>$5,000</td>
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<tr>
<td>Estate of Linda K Brightford</td>
<td>STAREE Biobank</td>
<td>Zoungas, Sophia (CIA)</td>
<td>2015</td>
<td>$78,982</td>
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<td>The Cochrane Collaboration</td>
<td>Project Transform</td>
<td>Elliott, Julian (CIA); Green, Sally E; McDonald, Steven; Maveregames, Chris; Murano, Melissa; Noel-Storr, Anna; Thomas, James; Tovey, David</td>
<td>2015-2017</td>
<td>$326,507</td>
<td>$1,128,346</td>
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<td>Coeliac Australia</td>
<td>Systematic review of safe level of gluten</td>
<td>McDonald, Steven (CIA)</td>
<td>2015</td>
<td>$7,217</td>
<td>$28,869</td>
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<td>Department of Health and Ageing</td>
<td>Surveillance of Influenza Associated Hospitalisation through Influenza complications alert network</td>
<td>Cheng, Allen C (CIA)</td>
<td>2015-2017</td>
<td>$474,200</td>
<td>$1,425,927</td>
</tr>
<tr>
<td>Source</td>
<td>Project Title</td>
<td>Names of Investigators</td>
<td>Duration</td>
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<td>Total funds</td>
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<tr>
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<td>Department of Health and Human Services Victoria</td>
<td>A long term study into the potential health effects from the Hazelwood coal mine fire</td>
<td>Abramson, Michael J (CIA); Carroll, Matthew; Dennekamp, Martina N; Maybery, Darryl J; Priestly, Brian G; Sim, Malcolm R; Thompson, Bruce R; Tonkin, Andrew M; Walker, Judith H; Wolfe, Rory SJ; Johnston, Fay H</td>
<td>2015-2024</td>
<td>$1,056,156</td>
<td>$18,981,990</td>
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<td></td>
<td>Preventive Health Survey – Child analysis</td>
<td>Fisher, Jane RW (CIA); Tran, Thach D; Wynter, Karen H</td>
<td>2015</td>
<td>$50,733</td>
<td>$70,705</td>
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<td>GlaxoSmithKline Australia Pty Ltd</td>
<td>Upper Gastro-Intestinal Cancer Clinical Quality Registry (UGI-CR)</td>
<td>Zalcberg, John R (CIA)</td>
<td>2015-2017</td>
<td>$860,000</td>
<td>$985,000</td>
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<tr>
<td>GlaxoSmithKline Australia Pty Ltd</td>
<td>Aplastic Anaemia (AA) Registry</td>
<td>Wood, Erica M</td>
<td>2015</td>
<td>$5,455</td>
<td>$5,455</td>
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<tr>
<td>Heart Foundation of Australia</td>
<td>Recalibrating the cardiovascular risk assessment tool pertinent to the Australian population</td>
<td>Tonkin, Andrew M (CIA); Woodward, Mark</td>
<td>2015</td>
<td>$16,900</td>
<td>$16,900</td>
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<td></td>
<td>Data Analysis from Melbourne Interventional Group (MIG) Registry</td>
<td>Brennan, Angela L (CIA)</td>
<td>2015</td>
<td>$4,700</td>
<td>$4,700</td>
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<td></td>
<td>Cluster randomised controlled trial to evaluate the effectiveness of a formal feedback program to improve cardiac surgical performance in hospitals.</td>
<td>Reid, Christopher M (CIA); Smith, Julian A; Tran, Lavinia; Baker, Robert A</td>
<td>2015</td>
<td>$73,026</td>
<td>$73,026</td>
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<td>Ian Potter Foundation</td>
<td>Building Partnerships in Aboriginal and Torres Strait Islander Women’s Health Research to Achieve Better Outcomes</td>
<td>Boyle, Jacqueline (CIA)</td>
<td>2015-2016</td>
<td>$45,000</td>
<td>$45,000</td>
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<td>Lawley Pharmaceuticals</td>
<td>An Open label, Phase 2, single centre, randomised, crossover pharmacokinetic study assessing two application areas of 0.5ml (5mg) ANDROFEMEA cream in healthy postmenopausal women</td>
<td>Davis, Susan R; Bell, Robyn (Co-CI’s)</td>
<td>2015</td>
<td>$142,854</td>
<td>$161,832</td>
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<tr>
<td>Medibank Private</td>
<td>Hip and knee joint replacements in older Australians – what factors predict positive outcomes and optimise quality of life?</td>
<td>Cicuttini, Flavia M (CIA); Owen, Alice J; Reid, Christopher M; Wang, Yuanyuan; Wu, Anita E; Graves, Stephen E</td>
<td>2015-2016</td>
<td>$95,380</td>
<td>$151,558</td>
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<td></td>
<td>Improving the measurement of patient reported outcomes</td>
<td>Stoelwinder, Johannes U (CIA); Evans, Susan M; McNeil, John J; Reid, Christopher M; Zalcberg, John R</td>
<td>2015-2017</td>
<td>$200,000</td>
<td>$600,000</td>
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<tr>
<td>Monash Partners Academic Health Science Centre (MPA-HSC)</td>
<td>VOLunteer TELEphone Support for Better Health in Older Patients after Hospital Discharge: VOTES4BetterHealth after hospital discharge</td>
<td>Lowthian, Judy (CIA)</td>
<td>2015</td>
<td>$49,206</td>
<td>$49,206</td>
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<tr>
<td>NHMRC - Career Development Fellowships</td>
<td>Environmental and host contributors to infectious health threats and burden of infectious diseases</td>
<td>Leder, Karin S (CIA)</td>
<td>2015-2019</td>
<td>$86,934</td>
<td>$455,452</td>
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<tr>
<td>NHMRC - Centres of Research Excellence</td>
<td>Centre of Research Excellence in Translation of Research into Improved Outcomes in Musculoskeletal Pain and Health (TRIUMPH)</td>
<td>Buchbinder, Rachelle (CIA); Harris, Anthony H</td>
<td>2015-2019</td>
<td>$28,460</td>
<td>$163,643</td>
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<td>NHMRC - Early Career Fellowships</td>
<td>Understanding the establishment of HIV reservoirs and development of HIV eradication strategies</td>
<td>Chang, Christina C (CIA)</td>
<td>2015-2018</td>
<td>$7,389</td>
<td>$284,465</td>
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<td></td>
<td>Generating credible evidence for health care decision making; advancing methods for evidence synthesis and meta-analysis</td>
<td>Page, Matthew J (CIA)</td>
<td>2015-2019</td>
<td>$69,625</td>
<td>$330,856</td>
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<tr>
<td>Source</td>
<td>Project Title</td>
<td>Names of Investigators</td>
<td>Duration</td>
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<td>NHMRC - Project Grants</td>
<td>ASPREE-D; Aspirin in the prevention of depression in the elderly</td>
<td>Berk, Michael (CIA); McNeil, John J; Nelson, Mark R; Shah, Raj C; Woods, Robyn L; Mohebbi, Mohammadreza</td>
<td>2015-2018</td>
<td>$204,131</td>
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<td></td>
<td>The Augmented versus Routine approach to Giving Energy Trial (TARGET)</td>
<td>Chapman, Marianne (CIA); Peake, Sandra; Bellomo, Rinaldo; Horowitz, Michael; Davies, Andrew R; Deane, Adam</td>
<td>2015-2019</td>
<td>$297,027</td>
<td>$3,534,236</td>
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<tr>
<td></td>
<td>Improving access to safe water using Riverbank Filtration Technology</td>
<td>Leder, Karin S (CIA); Forbes, Andrew B; Mahal, Ajay S; Boving, Thomas; Gautam, Sumit; Luby, Stephen</td>
<td>2015-2017</td>
<td>$3,096</td>
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<td>ASPREE-NEURO; aspirin and cerebral microhaemorrhages</td>
<td>McNeil, John J (CIA); Egan, Gary F; Brodtman, Amy G; Ferris, Nicholas; Ward, Stephanie; Bailey, Michael J</td>
<td>2015-2018</td>
<td>$416,543</td>
<td>$956,186</td>
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<td></td>
<td>Is antibiotic treatment effective in the management of chronic low back pain</td>
<td>Urquhart, Donna M (CIA); Cicuttini, Flavia M; Leder, Karin S; Rosenfeld, Jeffrey V; Wu, Anita E; Van Tulder, Maurit W</td>
<td>2015-2017</td>
<td>$283,552</td>
<td>$533,760</td>
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<td></td>
<td>Perioperative Administration of Dexamethasone and Infection – The PADDI trial</td>
<td>Tomas, Cochrane (CIA); Bach, Leon A; Cheng, Allen C; Forbes, Andrew B; Leslie, Kate; Myles, Paul; Corcoran, Tomas; Chan, Matthew TV; Ho, Kwok M; Short, Timothy G</td>
<td>2015-2020</td>
<td>$166,456</td>
<td>$4,603,039</td>
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<td>Mechanisms underlying the contribution of uremic toxins to cardiorenal syndrome</td>
<td>Krum, Henry (CIA); Kompa, Andrew R; Wang, Bing H; Kelly, Darren J</td>
<td>2015-2017</td>
<td>$132,539</td>
<td>$400,588</td>
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<td></td>
<td>Trial to Evaluate Anti-fibrinolytic Therapy in Thrombocytopenia (TREATT)</td>
<td>Wood, Erica M (CIA); Stanworth, Simon; Cole-Sinclair, Merrole F; Westerman, David A; Szer, Jeffrey; Estcourt, Lise J; McQuilten, Zoe</td>
<td>2015-2019</td>
<td>$154,552</td>
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<td></td>
<td>Does low dose amitriptyline reduce pain in knee osteoarthritis? A double</td>
<td>Wu, Anita E (CIA); Cicuttini, Flavia M; Teichtahl, Andrew; Urquhart, Donna M; Mc Quilten, Zoe</td>
<td>2015-2019</td>
<td>$151,819</td>
<td>$401,362</td>
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<td>Identifying specific risk factors for intimate partner violence amongst</td>
<td>Fisher, Jane RW (CIA); Rees, Susan J; Zachary, S</td>
<td>2015-2016</td>
<td>$100,000</td>
<td>$200,000</td>
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<td>women refugees during and after pregnancy: associates with mental health and capacity for successful settlement</td>
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<td>An integrated general practice and pharmacy-based intervention to promote the prescription and use of appropriate preventive medications among individuals at high cardiovascular risk</td>
<td>Reid, Christopher M (CIA); Patel, Anushka</td>
<td>2015-2018</td>
<td>$65,706</td>
<td>$292,246</td>
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<td>2015-2019</td>
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<td>Novartis Pharmaceuticals Australia Pty Ltd</td>
<td>Myeloma and Related Diseases Registry</td>
<td>Wood, Erica M (CIA)</td>
<td>2015</td>
<td>$50,000</td>
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<td>Pancare Foundation</td>
<td>Upper GI Cancer Registry</td>
<td>Prof J Zalcberg</td>
<td>2015</td>
<td>$60,000</td>
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<td>Pfizer Inc</td>
<td>Victorian Lung Cancer Registry</td>
<td>Zalcberg, John R (CIA)</td>
<td>2015</td>
<td>$25,000</td>
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<td>Prostate Cancer Foundation of Australia</td>
<td>Examining the interactions between General Practitioners and prostate cancer patients in Gippsland area</td>
<td>Russeckalo, Rasa (CIA); Evans, Susan M; Millar, Jeremy L; Fisher, Jane RW; Kirkman, Maggie</td>
<td>2015</td>
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<td>$47,007</td>
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<tr>
<td>Source</td>
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<td>Names of Investigators</td>
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<td>Royal Australasian College of Physicians</td>
<td>Carnosine supplementation to prevent type 2 diabetes by improving insulin sensitivity and/or secretion in overweight humans</td>
<td>De Courten, Barbora (CIA)</td>
<td>2015</td>
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<td>Specialised Therapeutics Australia</td>
<td>Upper GI Cancer Registry</td>
<td>Prof J Zalcberg</td>
<td>2015-2017</td>
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<td>Transport Accident Commission</td>
<td>Bladder management post spinal cord injury in the community</td>
<td>Braaf, Sandra (CIA)</td>
<td>2015-2016</td>
<td>$70,000</td>
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<td>Australian-European NeuroTrauma Effectiveness Research, Traumatic Brain Injury Collaboration – A Prospective Longitudinal Observation Study (OzEnter-TBI)</td>
<td>Cooper, David J (CIA)</td>
<td>2015-2018</td>
<td>$53,200</td>
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<td>Takeda Pharmaceuticals Australia Pty Ltd</td>
<td>National Lymphoma Cancer Registry (NLCR)</td>
<td>Wood, Erica M (CIA)</td>
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<td>Myeloma Related Diseases Registry (MRDR) Project 1</td>
<td>Wood, Erica M (CIA)</td>
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<td>Myeloma Related Diseases Registry (MRDR) Project 2</td>
<td>Wood, Erica M (CIA)</td>
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<td>The Task Force for Global Health</td>
<td>Neglected Tropical Diseases (NTD) Modelling Consortium</td>
<td>Gambhir, Manoj (CIA)</td>
<td>2015-2017</td>
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<td>Victoria Law Foundation</td>
<td>The Legal Rights of Victim/Survivors and Offenders in a Pilot Restorative Justice Intervention for Sexual Assault</td>
<td>Bishop, Elizabeth J (CIA)</td>
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<td>Victorian DHHS</td>
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<td>Victorian WorkCover Authority (WorkSafe Victoria)</td>
<td>Long term outcomes of work injury for Victorian workers – identify factors that contribute to outcomes and opportunities to improve outcomes (Victorian injured worker outcomes study)</td>
<td>Sim, Malcolm R (CIA); Kelsall, Helen</td>
<td>2015-2017</td>
<td>$270,831</td>
<td>$902,769</td>
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<td>Water Services Association of Australia</td>
<td>Emerging Pathogens of concern for the water industry</td>
<td>Sinclair, Martha I (CIA); Leder, Karin S; O’Toole, Joanne E</td>
<td>2015-2016</td>
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<td>Zimmer Pty Ltd</td>
<td>Incidence and costs of non-union, delayed union and mal-union two years following fractures of the humerus, tibia and femur</td>
<td>Gabbe, Belinda J (CIA)</td>
<td>2015</td>
<td>$68,219</td>
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## Grants and Contracts Continuing in 2015

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<th>Source</th>
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<th>Names of Investigators</th>
<th>Duration</th>
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<th>Total funds</th>
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<td>Alcoa of Australia Ltd</td>
<td>Healthwise Study</td>
<td>Sim, Malcolm R (CIA); Abramson, Michael J; Benke, Geza P; Dennekamp, Martina N</td>
<td>1995-2015</td>
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<td>Alexion Pharmaceuticals Australasia Pty Ltd</td>
<td>Thrombotic Thrombocytopenic Purpura (TTP) Registry</td>
<td>Wood, Erica M (CIA)</td>
<td>2013</td>
<td>$20,000</td>
<td>$112,600</td>
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<td>Alfred Health</td>
<td>Individualised interdisciplinary audio-visual summary (CareTV) of a patients management plan to improve effectiveness of transitions of care</td>
<td>Holton, Sara (CIA)</td>
<td>2014</td>
<td>$40,800</td>
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<td>Alzheimer’s Australia</td>
<td>Evaluation of Your Brain Matters</td>
<td>Smith, Benjamin J (CIA)</td>
<td>2012-2016</td>
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<td>Ambulance Victoria</td>
<td>Long term survival and quality of life outcomes for VACAR patients</td>
<td>Cameron, Peter (CIA)</td>
<td>2010-2012</td>
<td>$3,426</td>
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<td>American Foundation for AIDS Research</td>
<td>Short-Term Disulfiram Administration to Reverse Latent HIV Infection</td>
<td>Elliott, Julian (CIA); Lewin, Sharon R; Deeks, Steven G; Silicano, Robert</td>
<td>2012</td>
<td>$278,770</td>
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<td>ARC - Discovery Future Fellowships</td>
<td>Reducing the social, economic and health burden associated with obesity-related chronic diseases among socio-economically disadvantaged populations</td>
<td>Renzaho, Andre (CIA)</td>
<td>2011-2015</td>
<td>-$154,956</td>
<td>$509,770</td>
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<td>ARC - Linkage Projects</td>
<td>Elucidating the increasing demand for genital cosmetic surgery among girls and women in Australia</td>
<td>Kirkman, Maggie (CIA); Dobson, Amy RS; Fisher, Jane RW; Souter, Kay; Butera, Rita G; Casper, Gabrielle R; Dally, Genevieve; Farrell, Elizabeth F; L’Huillier, Elsie; Malone, Jessica; Michelmore, Janet H; Steele, Angela; Tomlinson, Jillian; Vollenhoven, Beverley J; Webster, Amy; Yap, Desiree</td>
<td>2013-2016</td>
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<td>$432,220</td>
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<td>Understanding individual, workplace and system level influences on return to work in a changing Australian labour market</td>
<td>Sim, Malcolm R (CIA); Smith, Peter M; Lamontagne, Anthony D; Browne, Tracey M; Fitzpatrick, Therese M; Hill, Julie; Hogg-Johnson, Sheila; Lilley, Rebeccca; McConnell-Lynch, Helen; Ryan, Susan</td>
<td>2013-2016</td>
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<td>Community Capacity Building for Healthy Lifestyles (CBHL) initiative: Engaging communities in childhood obesity prevention in disadvantaged areas</td>
<td>Smith, Benjamin J (CIA); Oldenburg, Brian F; Renzaho, Andre; Mellor, David J; Polonsky, Michael J; Green, Julie B; Horton, Kellie; Nicholson, Jan MA</td>
<td>2013-2016</td>
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<td>Harnessing recreational infrastructure to improve physical activity and community well-being</td>
<td>Smith, Benjamin J (CIA); Mahal, Ajay S; Newton, Fiona J; Bauman, Adrian; Donovan, Robert J; Ewing, Michael; MacKay, Bruce J</td>
<td>2013-2016</td>
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<td>Developing culturally relevant social marketing interventions to increase blood donation amongst migrant communities: the case of African migrants</td>
<td>Renzaho, Andre (CIA); Jones, Sandra C; Polonsky, Michael J; Smith, Geoff V</td>
<td>2013-2015</td>
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<td>Arthritis Foundation of Victoria Inc.</td>
<td>A systematic review project regarding consumer needs related to musculoskeletal conditions</td>
<td>Wluka, Anita E (CIA); Cicuttini, Flavia M; Cyril, Sheila; Joyce, Catherine M; Renzaho, Andre; Teichtahl, Andrew; Urquhart, Donna M; Wang, Yuanyuan</td>
<td>2014-2015</td>
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<td>AstraZeneca United Kingdom Ltd</td>
<td>Studies to determine the efficacy of AstraZeneca compounds modulating monocyte-inflammatory axes in a rat model of cardiorenal syndrome</td>
<td>Krum, Henry (CIA); Kompa, Andrew R; Wang, Bing H; Kelly, Carren</td>
<td>2013-2015</td>
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<td>Australasian Fire and Emergency Service Council Ltd</td>
<td>A Retrospective Cancer and Mortality Cohort Study of Australian Firefighters</td>
<td>Glass, Deborah C (CIA); Sim, Malcolm R</td>
<td>2008-2013</td>
<td>$14,500</td>
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<td>Australian Commission on Safety and Quality in Health Care</td>
<td>A project to investigate the effectiveness of interventions associated with local monitoring of a draft national set of high-priority hospital complications using coded inpatient morbidity data</td>
<td>Evans, Susan M (CIA); McNeil, John J</td>
<td>2014-2015</td>
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<td>$176,727</td>
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<td>Australian Institute of Petroleum Ltd</td>
<td>Maintenance of the New and Old Health Watch Cohorts from January 2013 to December 2017</td>
<td>Sim, Malcolm R (CIA); Glass, Deborah C</td>
<td>2005-2017</td>
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<td>$2,684,060</td>
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<td>Australian Menopause Society</td>
<td>Menopausal symptoms; prevalence and impact on the health and wellbeing of older women</td>
<td>Zeleke, Berihun M (CIA)</td>
<td>2014-2015</td>
<td>$26,947</td>
<td>$47,432</td>
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<td>Australian Rotary Health Research Fund</td>
<td>Identifying the earliest indicators of anxiety among toddlers and their mothers to inform effective early parenting interventions</td>
<td>Fisher, Jane RW (CIA); Rowe, Heather; Wynter, Karen H; Bayer, Jordana; Hiscock, Harriet; Michelmore, Janet H</td>
<td>2014-2015</td>
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<td>Baxter Healthcare Corporation</td>
<td>Supplemental parenteral Nutrition in Critically Ill Patients: A Pilot Randomized Controlled Study</td>
<td>Davis, Andrew (CIA); Cooper, David J</td>
<td>2012-2014</td>
<td>$82,910</td>
<td>$352,373</td>
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<td>BUPA Health Foundation</td>
<td>Optimising Outcomes in Patients with Carotid Arterial Disease</td>
<td>Abbott, Anne (CIA)</td>
<td>2014-2016</td>
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<td>$286,783</td>
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<td>BUPA Health Foundation</td>
<td>Improving the health of Australian women at midlife</td>
<td>Davis, Susan R (CIA); Bell, Robin J; Kulkarni, Jayashri; Panjari, Mary</td>
<td>2013-2015</td>
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<td>Bushfire and Natural Hazards CRC (BNHCRC)</td>
<td>Smoke impacts on community health and social perceptions</td>
<td>Dennekamp, Martina N (CIA); Abramson, Michael J; Jalaludin, Bin; Johnston, Fay; Lyth, Anna; Marks, Guy B; Morgan, Geoff; Reisen, Fabienne</td>
<td>2012-2015</td>
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<td>Cardiac Society of Australia &amp; New Zealand</td>
<td>ANZSCCTS Surgical Database Program</td>
<td>Reid, Christopher M (CIA)</td>
<td>2011-2013</td>
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<td>Deafness Foundation Financial Grants Program</td>
<td>ASPREE (Aspirin in Reducing Events in the Elderly) CENTRAL HEARING: Hearing and Health in a large cohort of elderly adults</td>
<td>Storey, Elsdon (CIA); Rance, Gary</td>
<td>2014-2015</td>
<td>$20,203.00</td>
<td>$48,647.00</td>
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<td>Department of Health</td>
<td>Development of a heart failure minimum dataset including devices as part of the VOCR</td>
<td>Krum, Henry (CIA); Brennan, Angela L; Reid, Christopher M; Mond, Harry; Prior, David L</td>
<td>2014-2015</td>
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<td>$363,668</td>
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<td>Department of Health</td>
<td>Rapid Health Risk Assessment in relation to long term health effects from the Hazelwood open cut coal mine fires smoke</td>
<td>McNeil, John J (CIA); Abramson, Michael J; Dernos, Lisa; Dennekamp, Martina N; Gambhir, Manoj; Priestly, Brian G; Sim, Malcolm R; Johnson, Fay</td>
<td>2014</td>
<td>$19,000</td>
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<td>Department of Health</td>
<td>A Clinical Quality Register for High Risk Breast Devices</td>
<td>Evans, Susan M (CIA)</td>
<td>2014-2015</td>
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<td>Department of Health</td>
<td>What are the Real Costs of In-hospital Falls to the Hospital?</td>
<td>Morello, Ranata (CIA); Barker, Anna; Stoelwinder, Johannes U; Watts, Jennifer J</td>
<td>2014</td>
<td>$27,436</td>
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<td>Department of Health</td>
<td>Cardiac procedures registry in Victoria</td>
<td>McNeil, John J (CIA); Reid, Christopher M; Tonkin, Andrew M</td>
<td>2011-2015</td>
<td>$256,000</td>
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<td>Department of Health and Ageing</td>
<td>Advancing perinatal mental health to diverse audiences with interactive social media applications</td>
<td>Fisher, Jane RW (CIA); Rowe, Heather</td>
<td>2013-2015</td>
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<td>Department of Health and Human Services and Transport Accident Commission</td>
<td>The Operation and Utilisation of the Victorian State Trauma Registry</td>
<td>Gabbe, Belinda J (CIA); McNeil, John J; Cameron, Peter</td>
<td>2015-2016</td>
<td>$924,179</td>
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<td>Department of Health and Ageing</td>
<td>Communities for Children (CIC) Direct Service</td>
<td>Fisher, Jane RW (CIA); Rowe, Heather</td>
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<td>Department of Veterans’ Affairs</td>
<td>Systematic review of psychological disorder multisymptom disorder and chronic fatigue syndrome in veterans of deployment to the Gulf War Iraq War and Afghanistan</td>
<td>Kalsall, Helen (CIA); Forbes, Andrew B; Sim, Malcolm R</td>
<td>2013-2014</td>
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<td>European Commission</td>
<td>Collaborative European NeuroTrauma Effectiveness Research in TBI (CENTER-TBI)</td>
<td>Cooper, David J (CIA)</td>
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<td>$414,971</td>
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<td>FARE Foundation for Alcohol Research &amp; Education</td>
<td>The typology, economic geography and effects of off premise alcohol outlets</td>
<td>Morrison, Christopher N (CIA)</td>
<td>2014</td>
<td>$5,828</td>
<td>$19,813</td>
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<td>Finkel Foundation</td>
<td>Finkel Chair in Global Health</td>
<td>Oldenburg, Brian F (CIA)</td>
<td>2008-2009</td>
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<td>Grand Challenges Canada</td>
<td>Saving Brains: Learning clubs for women’s health and infant development</td>
<td>Fisher, Jane RW (CIA); Tran, Thach D</td>
<td>2014-2015</td>
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<td>Heart Foundation of Australia</td>
<td>Preventing weight gain in women</td>
<td>Harrison, Cheryce L (CIA)</td>
<td>2014-2015</td>
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<td>Legal Services Board</td>
<td>Improving outcomes in pulmonary hypertension and heart failure</td>
<td>Burrell, Aidan JC (CIA)</td>
<td>2014-2018</td>
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<td>Melbourne IVF</td>
<td>Understanding women’s experiences of egg freezing to inform health care</td>
<td>Fisher, Jane RW (CIA)</td>
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<td>Mesoblast</td>
<td>Data analysis of tibial cartilage, cartilage defects, tibial bone area and bone marrow lesions</td>
<td>Cicuttini, Flavia M (CIA); Ghosh, Peter</td>
<td>2013-2014</td>
<td>$27,360</td>
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<td>Movember Australia</td>
<td>Movember Prostate Cancer Health Outcomes Research Unit</td>
<td>McNeil, John J (CIA); Evans, Susan M; Millar, Jeremy L</td>
<td>2014-2016</td>
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<td>Australian Prostate Cancer Clinical Registry</td>
<td>Australian Prostate Cancer Clinical Registry – Jurisdictional sites</td>
<td>Evans, Susan M (CIA); McNeil, John J; Millar, Jeremy L</td>
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<td>Australian Prostate Cancer Clinical Registry</td>
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<td>Municipal Association of Victoria</td>
<td>Research on EGM gambling regulatory and administrative reform</td>
<td>Livingstone, Charles H (CIA); Francis, Louise J</td>
<td>2013-2015</td>
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<td>National Institutes of Health (NIH)</td>
<td>ASPirin in Reducing Events in the Elderly (ASPREE)</td>
<td>McNeil, John J; Grimm, Richard (Co-PI’s); (AUS) Nelson, Mark R; Reid, Christopher M; Storey, Elsdon; Tonkin, Andrew M; Wolfe, Rory SJ; Woods, Robyn L; (USA) Murray, Anne M; Newman, Anne B; Shah, Raj C; Williamson, Jeff D</td>
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<td>Duration</td>
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<td>National Institute on Aging/National Cancer Institute</td>
<td>ASPREE Cancer Endpoints Study</td>
<td>McNeil, John J (CIA); (AUS) Woods, Robyn, L.; Reid, Christopher, M.; (USA) Grimm, Richard; Murray, Anne M</td>
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<td>National Institutes of Health (NIH) - FIC Grant</td>
<td>Building the Asian non-communicable disease research network for regional research capacity</td>
<td>Oldenburg, Brian F (CIA); Abdul Kadir, Khalid; Fisher, Edwin B; Thankappan, Kavumpurathu R</td>
<td>2010</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>Addressing missing links in the care of older people to improve practice and outcomes: program efficacy, implementation effectiveness and knowledge translation</td>
<td>Barker, Anna (CIA)</td>
<td>2014-2017</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>Preventing and treating significant infections in the community and in hospitals</td>
<td>Cheng, Allen C (CIA)</td>
<td>2014-2018</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>Improving the prevention and outcomes of knee and hip osteoarthritis</td>
<td>Wang, Yuanyuan (CIA)</td>
<td>2014-2017</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>New approaches to the prevention and treatment of Musculoskeletal Disease</td>
<td>Wluka, Anita E (CIA)</td>
<td>2014-2017</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>Quantifying the burden, understanding the predictors, and improving the outcomes of non-fatal injury</td>
<td>Gabbe, Belinda J (CIA)</td>
<td>2013-2016</td>
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<td>NHMRC - Career Development Fellowships</td>
<td>Optimising prevention and therapeutic strategies for low back pain and disability</td>
<td>Urquhart, Donna M (CIA)</td>
<td>2011-2016</td>
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<td>$384,160</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>Centre for Research Excellence in the evaluation, management and health care needs of Polycystic Ovary Syndrome and related health implications</td>
<td>Teede, Helena J (CIA); McNeil, John J; Moran, Lisa; Gibson-Helm, Melanie; Davies, Michael; Handelsman, David J; Hart, Roger; Norman, Robert J; Patton, George; Rodgers, Raymond J; Sullivan, Elizabeth A</td>
<td>2014-2019</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>Centre for Air Quality and Health Research Evaluation (CAAR) Postdoctoral Fellowship</td>
<td>Dennekamp, Martina N</td>
<td>2013-2016</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>Centre for Population Health Research on Electromagnetic Energy</td>
<td>Abramson, Michael J (CIA); Berke, Geza P; Sim, Malcolm R; Croft, Rodney J; Crozier, Stuart; Vermeulen, Roel; Wiedemann, Peter</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>Australian Resuscitation Outcomes Consortium (AUS – ROC) CRE</td>
<td>Finn, Judith (CIA); Cameron, Peter; Bernard, Stephen A; Tonkin, Andrew M; Jacobs, Ian G; Smith, Karen L; Thompson, Peter L</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>The Victorian Canetre for Applied Biostatistics (VCAB): Building core methodological capacity for population health</td>
<td>Forbes, Andrew B (CIA); Carlin, John B; Gunnin, Lyle C</td>
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<td>NHMRC - Centres of Research Excellence</td>
<td>Centre of Research Excellence for patient blood management in critical illness and trauma</td>
<td>Cooper, David J (CIA); Bellomo, Rinaldo; Cameron, Peter; McNeil, John J; Myles, Paul; Phillips, Louise E; Webb, Steven; French, Craig J; Isbister, James P; Reade, Michael C</td>
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<td>NHMRC - Early Career Fellowships</td>
<td>Improving early recognition and response to symptoms in acute cardiovascular events</td>
<td>Bray, Janet E (CIA)</td>
<td>2014-2017</td>
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<td>Methodological research in meta-analysis and evidence synthesis: Strengthening research for translation</td>
<td>McKenzie, Joanne E (CIA)</td>
<td>2014-2018</td>
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<td>Acute traumatic coagulopathy-mechanisms and measurement</td>
<td>Mitra, Biswadev (CIA)</td>
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<td>$50,471</td>
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<td>Investigating rising demand for emergency health care with an ageing population</td>
<td>Lowthian, Judy (CIA)</td>
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<td>The relationship between happiness and health</td>
<td>Freak-Poli, Rosanne (CIA)</td>
<td>2013-2018</td>
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<td>Effects of medical pluralism and cross-border drug flows on the health-seeking behaviour of Indian-Australians and Anglo-Australians with depression</td>
<td>Briñath, Bianca (CIA)</td>
<td>2012-2016</td>
<td>$72,436</td>
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<td>Further development, evaluation and dissemination of the chinese peers for progress diabetes program</td>
<td>Zhong, Xue F (CIA)</td>
<td>2012-2015</td>
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<td>Intensive care management and quality of survival of acute respiratory distress syndrome</td>
<td>Hodgson, Carol L (CIA)</td>
<td>2012-2015</td>
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<td>Understanding and preventing chronic disease in people living with HIV</td>
<td>Elliott, Julian (CIA)</td>
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<td>Quantifying the microbial health risks of expanded alternative water use</td>
<td>O’Toole, Joanne E (CIA)</td>
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<td>Improving health in indigenous adolescents</td>
<td>Boyle, Jacqueline (CIA)</td>
<td>2011-2014</td>
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<td>Ensuring breakthrough includes follow-through: Developing and testing methods to increase uptake of research in practice</td>
<td>O’Connor, Denise A (CIA)</td>
<td>2010-2015</td>
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<td>NHMRC Enabling Grants</td>
<td>National Centre for Intensive Care Research (NCICR)</td>
<td>Bellomo, Rinaldo (CIA); Cooper, David J; Finfer, Simon R; Myburgh, John A</td>
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<td>NHMRC - Partnership Projects</td>
<td>Improving outcomes for patients with critical bleeding requiring massive transfusion</td>
<td>Cooper, David J (CIA); Barker, Anna; Cameron, Peter; McQuilten, Zoe; Wood, Erica M; Zatta, Amanda J; French, Craig J; Isbister, James P; McIntloch, Claire K; Stanworth, Simon</td>
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<td>A multi-centre RCT to prevent secondary falls in older people presenting to the emergency department with a fall</td>
<td>Barker, Anna (CIA); Cameron, Peter; Haines, Terence P; Lowthian, Judy; Forbes, Andrew B; Arendts, Glenn; Flicker, Leon; Hill, Keith D; Redfern, Julie; Waldron, Nicholas G</td>
<td>2013-2015</td>
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<td>The Diabetes Renal Project: Better Outcomes for Patients with Diabetes and Chronic Kidney Disease</td>
<td>Zoungas, Sophia (CIA); Kerr, Peter; Polkinghorne, Kevan R; Russell, Grant M; Teede, Helena J; Walker, Rowan; Cass, Alan; Fulcher, Gregory R; Gallagher, Martin P; Johnson, Greg</td>
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<td>NHMRC - Partnership Projects</td>
<td>Right Care, Right Time, Right Place: Improving outcomes for people with spinal cord injury through early intervention and improved access to specialised care</td>
<td>Cameron, Peter (CIA); McClure, Roderick J; Bowin, David; Brown, Douglas J; Harrison, James E; Lyons, Nigel; Marshall, Ruth; Middleton, James</td>
<td>2012-2015</td>
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<td>NHMRC - Partnership Projects</td>
<td>Health Map: a cluster randomised trial of interactive self-care plans to prevent and manage chronic conditions by people living with HIV.</td>
<td>Elliott, Julian (CIA); Lewin, Sharon R; Crooks, Levinia; Osborne, Richard H; Battersby, Malcolm; Fairley, Christopher K; Kidd, Michael R; Pitts, Marlan; Watson, Joanne</td>
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<td>Does statin use have a disease modifying effect in symptomatic knee osteoarthritis?</td>
<td>Brady, Shamayne RE (CIA)</td>
<td>2014-2016</td>
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<td>Determining the effect of nutrition therapy in critically ill patients</td>
<td>Ridley, Emma J (CIA)</td>
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<td>Paramedic competency and exposure to resuscitation skills: does it make a difference?</td>
<td>Dyson, Kylie (CIA)</td>
<td>2014-2015</td>
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<td>NHMRC - Postgraduate Scholarships</td>
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<td>Young, Kate J (CIA)</td>
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<td>NHMRC - Postgraduate Scholarships</td>
<td>Investigating role of insulin resistance and sympathetic nervous system in metabolic features of PCOS.</td>
<td>Shorakae, Soulmaz (CIA)</td>
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<td>NHMRC - Postgraduate Scholarships</td>
<td>Conducting and using health service evaluations in the field</td>
<td>Morello, Renata (CIA)</td>
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<td>NHMRC - Postgraduate Scholarships</td>
<td>The gender specific health needs of women with chronic and complex conditions</td>
<td>Worsley, Roisin (CIA)</td>
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<td>NHMRC - Postgraduate Scholarships</td>
<td>Polypharmacy in Heart Failure – Ingrid Hopper</td>
<td>Hopper, Ingrid K (CIA)</td>
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<td>NHMRC Dora Lush Postgraduate Research Scholarship – Catherine Chamberlain</td>
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<td>NHMRC - Program Grants</td>
<td>Prevention and treatment of chronic heart and kidney disease via epidemiological, pharmacological device and cell-based approaches</td>
<td>Krum, Henry (CIA); Reid, Christopher M; Kelly, Darren J</td>
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<td>NHMRC - Project Grants</td>
<td>Investigating the use of metformin for the prevention of endometrial cancer</td>
<td>Davis, Susan R; Bell, Robin J; Brown, Kristy A</td>
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<td>NHMRC - Project Grants</td>
<td>Outcomes after serious injury: What is the recovery trajectory and how do the priorities for treatment and disability services change over time?</td>
<td>Gabbe, Belinda J (CIA); Cameron, Peter; Collie, Alexander; Ponsford, Jennie L; Ameratunga, Shanthi N; Harrison, James E; Lyons, Ronan A</td>
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<td>NHMRC - Project Grants</td>
<td>The SNORE-ASA study: A study of neurocognitive outcomes, radiological and retinal effects of Aspirin in sleep apnoea</td>
<td>Storey, Elsdon (CIA); Hamilton, Garun; Naughton, Matthew; Woods, Robyn L; Janke, Andrew; Kawasaki, Ryo; Ward, Stephanie</td>
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<td>The ASPREE-fracture sub-study: Does daily low-dose aspirin reduce fracture risk in healthy older adults?</td>
<td>Barker, Anna; McNeil, John J; Ward, Stephanie; Khosla, Sundeen; Sanders, Kerrie M</td>
<td>2014-2018</td>
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<td>A study of Statins for reducing events in the elderly</td>
<td>Zoungas, Sophia (CIA); McNeil, John J; Storey, Elsdon; Tonkin, Andrew M; Ward, Stephanie; Wolfe, Rory J; Abhayaratna, Walter; Beilin, Lawrence J; Nelson, Mark R</td>
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<td>Clinical effectiveness of aspirin in healing chronic venous leg ulcers: a randomised double-blinded placebo-controlled trial</td>
<td>Weller, Carolina D (CIA); Barker, Anna; Haines, Terrence P; Ward, Stephanie; Darby, Ian A; Underwood, Martin R</td>
<td>2014-2017</td>
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<td>Can vitamin D prevent diabetes by improving insulin sensitivity and secretion in overweight humans?</td>
<td>Walker, Karen Z (CIA); De Courten, Barbora; De Courten, Maximilian F; Scragg, Robert</td>
<td>2014-2016</td>
<td>$248,526</td>
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<td>Screening Evaluation of the Evolution of New Heart Failure (SCREEN-HF) Extension Study</td>
<td>Krum, Henry (CIA); Campbell, Duncan J; Prior, David L</td>
<td>2014-2015</td>
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<td>A randomised trial of zoledronic acid for osteoarthritis of the knee</td>
<td>Cicuttini, Flavia M (CIA); Hill, Catherine M; Jones, Graeme; March, Lyn</td>
<td>2014-2016</td>
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<td>Does pneumococcal vaccination protect against cardiovascular disease? A randomised placebo-controlled double blind trial</td>
<td>Tonkin, Andrew M (CIA); Atia, John R</td>
<td>2014</td>
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<td>Banking on the future: Establishing evidence for policy, protocols, and patient care relating to storage of reproductive material before treatment for cancer</td>
<td>Fisher, Jane RW (CIA); Hammarberg, Karin; Kirkman, Maggie; McLachlan, Robert I; Rombauts, Luk; Vollenhoven, Beverley J; Gook, Debra A; Stern, Catharyn</td>
<td>2013-2015</td>
<td>$244,788</td>
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<td>Modelling of Clinic and Ambulatory Blood Pressure on Cardiovascular Risk and Outcomes</td>
<td>Reid, Christopher M (CIA); Owen, Alice J; Williamson, Elizabeth J; Ademi, Zanfina; Liew, Danny YH</td>
<td>2013-2014</td>
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<td>The AspiniN To Inhibit SEPSIS (ANTISEPSIS) trial; an ASPREE substudy to measure the benefit of low dose aspirin in the prevention of severe sepsis.</td>
<td>Leder, Karin S (CIA); Pilcher, David; Wolfe, Rory SJ; Woods, Robyn L; Eisen, Damon P; McBryde, Emma</td>
<td>2013-2017</td>
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<td>SPICE Sedation Practices in Intensive Care Evaluation – Randomised Controlled Trial (RCT)</td>
<td>Shehabi, Yahya (CIA); Bellomo, Rinaldo; Reade, Michael C; Seppelt, Ian M; ; McArthur, Colin; Bailey, Michael J; Howe, Belinda D</td>
<td>2013-2017</td>
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<td>Pre-hospital Antifibrinolytics for Traumatic Coagulopathy and Haemorrhage (The PATCH Study)</td>
<td>Bernard, Stephen A (CIA); Gantner, Dashiel; Gruen, Russell L; Medcaif, Robert L; Mitra, Biswadev; Tran, Huyen; Reade, Michael C; Jacobs, Ian G</td>
<td>2013-2016</td>
<td>$414,370</td>
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<td>Does statin use have a disease modifying effect in symptomatic knee osteoarthritis? A multicentre randomised, double-blind, placebo-controlled trial</td>
<td>Wang, Yuanyuan (CIA); Cicuttini, Flavia M; Tonkin, Andrew M; Ding, Changhui; Hill, Catherine M; Jones, Graeme</td>
<td>2013-2015</td>
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<td>NHMRC - Project Grants</td>
<td>Comparative effectiveness of ultrasound-guided injection with either autologous platelet rich plasma or glucocorticoid for ultrasound-proven lateral epicondylitis: a three-arm randomised</td>
<td>Buchbinder, Rachelle (CIA); Harris, Anthony H; Staples, Margaret</td>
<td>2013-2015</td>
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<td>Low dose aspirin and age-related macular degeneration: randomised controlled trial</td>
<td>McNeil, John J (CIA); Woods, Robyn L; Guymer, Robyn H; Robman, Liubov (Luba) D</td>
<td>2013-2017</td>
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<td>Bone marrow lesions and osteoarthritis</td>
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<td>Evidence based health advice for the National Health and Medical Research Council on Natural Therapies</td>
<td>Green, Sally E (CIA); McDonald, Steven; McKenzie, Joanne E</td>
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<td>Australasian Cochrane Centre</td>
<td>Green, Sally E (CIA); McDonald, Steven</td>
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<td>What are the clinical predictors and risk factors for impaired child growth and development? Following up on the Ha Nam cohort from birth to 3 years.</td>
<td>Fisher, Jane RW (CIA); Biggs, Beverley-Ann</td>
<td>2013-2015</td>
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<td>Preventing weight gain in young to mid-aged women living in rural communities; a cluster randomised controlled trial</td>
<td>Teede, Helena J (CIA); Lombard, Catherine B; Zoungas, Sophia; Keating, Catherine L</td>
<td>2012-2015</td>
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<td>Immunological and respiratory effects among workers exposed to engineered nanoparticles</td>
<td>Glass, Deborah C (CIA); Abramson, Michael J; Dennekamp, Martina N; Sim, Malcolm R</td>
<td>2012-2014</td>
<td>$5,865</td>
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<td>STandaRd Issue TrANsfusion versus Fresher red blood cell Use in intenSive care (TRANSFUSE) – a randomised controlled trial</td>
<td>Cooper, David J (CIA); Bellomo, Rinaldo; Nichol, Alistair D; French, Craig J; Street, Alison M</td>
<td>2012-2015</td>
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<td>A multi-centre RCT of an Open Lung Strategy including Permissive Hypercapnia, Alveolar Recruitment, and Low Airway Pressure in patients with ARDS</td>
<td>Cooper, David J (CIA); Nichol, Alistair D; Davies, Andrew R; Hodgson, Carol L; Bersten, Andrew D; Fraser, John</td>
<td>2012-2015</td>
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<td>A brief couple-focussed psychoeducational intervention to prevent postnatal mental health problems in women: a cluster randomised trial.</td>
<td>Fisher, Jane RW (CIA); Lorgelly, Paula K; Rasasinha, Sanjeeva; Rowe, Heather; Promos, Jenny</td>
<td>2012-2014</td>
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<td>Is low dose amitriptyline more effective than placebo in the management of chronic, neuropathic low back pain? A double-blind, randomized, placebo-controlled trial with an economic evaluation</td>
<td>Urquhart, Donna M (CIA); Forbes, Andrew B; Gibson, Stephen J; Sim, Malcolm R; Wuuka, Anita E; Van Tulder, Maurits W</td>
<td>2012-2014</td>
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<td>POISE-2: A large, international, placebo-controlled, factorial trial to assess the impact of clonidine and aspirin in patients undergoing noncardiac surgery who are at risk of a perioperative cardiovas</td>
<td>Myles, Paul (CIA); Leslie, Kate; Chan, Matthew TV; Chow, Clara; Paech, Michael; Story, David A</td>
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<td>NHMRC - Project Grants</td>
<td>Falls prevention in the acute hospital setting: a multi-centre cluster</td>
<td>Barker, Anna (CIA); Brand, Caroline A; Haines, Terrence P; Jolley, Damien J; Botti, Mari A; Brauer, Sandra; Hill, Keith D</td>
<td>2011-2014</td>
<td>$830</td>
<td>$1,179,850</td>
</tr>
<tr>
<td></td>
<td>randomised controlled trial of efficacy, cost effectiveness and sustainability of the 6-PACK program</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>SEA-URCHIN: South East Asia – Using research for change in hospital-acquired infection in neonates</td>
<td>Green, Sally E (CIA); McDonald, Steven; McKenzie, Joanne E; Jeffery, Heather; Oborne, David; Lahra, Monica; Laopaiboon, Malinee; Lumbiganon, Pagakrong</td>
<td>2011-2015</td>
<td>$349,190</td>
<td>$1,921,143</td>
</tr>
<tr>
<td></td>
<td>The RINSE trial: the rapid infusion of cold normal saline by paramedics during CPR</td>
<td>Bernard, Stephen A (CIA); Cameron, Peter; Smith, Karen L; Finn, Judith; Jacobs, Ian G</td>
<td>2011-2014</td>
<td>$15,137</td>
<td>$528,223</td>
</tr>
<tr>
<td></td>
<td>Aspirin for the prevention of cognitive decline in the Elderly: a NeuroVascular Imaging Study (ENVIS-ion) from APSREE</td>
<td>Reid, Christopher M (CIA); Storey, Elsdon; Torkin, Andrew M; Armes, David J; Budge, Marc M; Wong, Tien Y</td>
<td>2008-2009</td>
<td>$33,110</td>
<td>$272,111</td>
</tr>
<tr>
<td>NHMRC - Research Fellowships</td>
<td>NHMRC Research Fellowship</td>
<td>Reid, Christopher M (CIA)</td>
<td>2008-2017</td>
<td>$68,595</td>
<td>$895,614</td>
</tr>
<tr>
<td></td>
<td>NHMRC Research Fellowship</td>
<td>Davis, Susan R (CIA)</td>
<td>2013-2017</td>
<td>$157,949</td>
<td>$789,745</td>
</tr>
<tr>
<td>NHMRC - Strategic Awards</td>
<td>Collaborative European NeuroTrauma Effectiveness Research in TBI</td>
<td>Cooper, David J (CIA); Gruen, Russell L</td>
<td>2014-2018</td>
<td>$321,190</td>
<td>$358,347</td>
</tr>
<tr>
<td></td>
<td>Platform for European Preparedness Against Re-emerging Epidemics (PREPARE)</td>
<td>Webb, Steven (CIA)</td>
<td>2014-2015</td>
<td>$130,000</td>
<td>$365,834</td>
</tr>
<tr>
<td>Osteoporosis Australia</td>
<td>Achieving targeted assessment of bone health in women at midlife</td>
<td>Davis, Susan R (CIA); Bell, Robin J</td>
<td>2013-2015</td>
<td>$12,500</td>
<td>$50,000</td>
</tr>
<tr>
<td>Parenting Research Centre Inc</td>
<td>Social and emotional support in facilitated peer groups: a multiple method investigation of peer support</td>
<td>Fisher, Jane RW (CIA); Hammarberg, Karin; Kirkman, Maggie; Rowe, Heather</td>
<td>2011-2015</td>
<td>$30,000</td>
<td>$220,000</td>
</tr>
<tr>
<td>Peter MacCallum Cancer Centre</td>
<td>Operationalise of a Cancer 2015 Registry in Victoria</td>
<td>McNeil, John J (CIA); Reid, Christopher M</td>
<td>2012-2015</td>
<td>$7,000</td>
<td>$119,900</td>
</tr>
<tr>
<td>Population Health Research Institute, Hamilton Health Sciences</td>
<td>HOPE-3 (Heart Outcomes Prevention Evaluation – 3 Study)</td>
<td>Krum, Henry (CIA)</td>
<td>2008-2015</td>
<td>$19,693</td>
<td>$91,699</td>
</tr>
<tr>
<td>Royal Australasian College of Physicians</td>
<td>A study of patient flow through inpatient rehabilitation and potential for improvements</td>
<td>New, Peter W (CIA)</td>
<td>2014-2015</td>
<td>$17,500</td>
<td>$35,000</td>
</tr>
<tr>
<td>Safe Work Australia</td>
<td>Australian Mesothelioma Registry</td>
<td>Sim, Malcolm R (CIA); Benke, Geza P; MacFarlane, Ewan M</td>
<td>2010-2015</td>
<td>$135,638</td>
<td>$669,228</td>
</tr>
<tr>
<td>Sanofi-Aventis Australia Pty Ltd</td>
<td>SPLEENIE APP: Creating an immunisation management and education app for assisting splenectomised/hyposplenic individuals</td>
<td>Leder, Karin S (CIA)</td>
<td>2014-2015</td>
<td>$5,000</td>
<td>$20,000</td>
</tr>
<tr>
<td>Transport Accident Commission</td>
<td>Victorian Orthopaedic Trauma Outcomes Registry (VOTOR)</td>
<td>Cameron, Peter (CIA); Gabbe, Belinda J</td>
<td>2010-2015</td>
<td>$558,015</td>
<td>$2,201,012</td>
</tr>
<tr>
<td>Victoria India Doctoral Scholarship (VIDS) – Dr Sathish Thirunavukkarasu</td>
<td>Victoria India Doctoral Scholarship (VIDS) – Dr Sathish Thirunavukkarasu</td>
<td>Thirunavukkarasu, Sathish (CIA)</td>
<td>2012-2014</td>
<td>$120,314</td>
<td>$438,320</td>
</tr>
<tr>
<td>Source</td>
<td>Project Title</td>
<td>Names of Investigators</td>
<td>Duration</td>
<td>Amount received in 2015</td>
<td>Total funds</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Victorian Agency Cancer Grant</td>
<td>Building translational clinical research capacity in regional Victoria through the Healthy Ageing Biobank</td>
<td>McNeil, John (CIA); Woods, Robyn L; Fitzgerald, Sharyn M</td>
<td>2014-2016</td>
<td>$0.00</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>Victorian WorkCover Authority (WorkSafe Victoria)</td>
<td>Investigation of the impacts of the WorkHealth Coach Program to enable positive sustainable behaviour change for worker health</td>
<td>Oldenburg, Brian F (CIA); Joss, Nerida A</td>
<td>2013-2015</td>
<td>$0</td>
<td>$131,521</td>
</tr>
<tr>
<td></td>
<td>Examining the role of GPs in RTW – a qualitative analysis of compensation schemes</td>
<td>Kosny, Agnieszka (CIA); Collie, Alexander; Sim, Malcolm R</td>
<td>2012-2015</td>
<td>$0</td>
<td>$127,724</td>
</tr>
</tbody>
</table>
Appendix 2 : SPHPM Research Publications for 2015

Book


Kendal, Y.S., 2015, Equal opportunity and the case for state sponsored ectogenesis, Palgrave Macmillan, Basingstoke, UK.


Book Chapters

Blau, S., 2015, Working as a forensic archaeologist and/or anthropologist in post-conflict contexts: a consideration of professional responsibilities to the missing, the dead and their relatives, in Ethics and the Archaeology of Violence, eds Alfredo Gonzalez-Rubal, Gabriel Moshenska, Springer, New York, United States, pp. 215-228.


Lekawaniwits S, Krum H. Novel Combination Therapy to Target Heart and Kidney: In D. Goldsmith et al. (eds.), Cardio-Renal Clinical Challenges, DOI 10.1007/978-3-319-09162-4_19, © Springer International Publishing Switzerland 2015: pp.197-208


Lekawaniwits S, Krum H. Novel Combination Therapy to Target Heart and Kidney: In D. Goldsmith et al. (eds.), Cardio-Renal Clinical Challenges, DOI 10.1007/978-3-319-09162-4_19, © Springer International Publishing Switzerland 2015: pp.197-208


Bradshaw, L., Wasiak, J., Cleland, H.J., 2015, Is operative management of fractures safe in left-sided (as a prognostic factor and a predictor of evidence for a further PsA-specific risk locus, Trends In Comparative Physiology [E], vol 308, issue 10, pp. 832-839.


Christensen R, Maxwell LJ, Jüni P , Tovey D, 2015, Cost-utility of angiotensin-converting enzyme inhibitor-based treatment compared with thiazide diuretic-based treatment for hypertension in elderly Australians considering diabetes as comorbidity, Medicine; analytical reviews of general medicine, neurology, psychiatry, dermatology, and pediatrics [P], vol 94, issue 9, pp. 1-9.


Christensen R, Maxwell LJ, Jüni P , Tovey D, 2015, Cost-utility of angiotensin-converting enzyme inhibitor-based treatment compared with thiazide diuretic-based treatment for hypertension in elderly Australians considering diabetes as comorbidity, Medicine; analytical reviews of general medicine, neurology, psychiatry, dermatology, and pediatrics [P], vol 94, issue 9, pp. 1-9.


Doig GS, Roberts I, Bellomo R. The tens of thousands of lives saved by randomized clinical trials in critical care. Intensive Care Med 2015;41:701-4


Herbison, P., Robertson, M.C., McKinney, J.E., 2015, Do alternative methods for analysing count data produce similar estimates? Implications for meta-analyses, Systematic Reviews [E], vol 4, issue 1, pp. 1-12.


MacPhail, A., Young, C.M., Ibrahim, J.E., 2015, Workplace-based clinical leadership training increases willingness to lead: appraisal using multisource feedback of a clinical leadership program in regional Victoria, Australia. Leadership in Health Services [P], vol 28, issue 2, pp. 100-118.


Magliano, D.J., Cohen, K., Harding, J.L., Shaw, J.E., 2015, Residential distance from major urban areas, diabetes and cardiovascular mortality in Australia, Diabetes Research and Clinical Practice [P], vol 109, issue 2, pp. 271-278.


Mansfield M., Dyson M., O’Donnell C. Contemporary workplace-based clinical leadership training increases willingness to lead: appraisal using multisource feedback of a clinical leadership program in regional Victoria, Australia. Leadership in Health Services [P], vol 28, issue 2, pp. 100-118.


Noble, A., Catchpole, K., 2015, Return of spontaneous breathing trials are needed: systematic review, Injury-International Journal Of The Care Of Injured, vol 46, issue 2, pp. 138-146.

in knee symptoms and structure in older adults, *Annals Of The Rheumatic Diseases* [P], vol 74, issue 10, pp. 1818-1824.


Penesova, A., Koska, J., Ortega, E., Bunt, J.C., Bogardus, C., de Courten, B., 2015, Salsalate has no effect on insulin secretion but decreases insulin clearance: a randomized, placebo-controlled trial in subjects without diabetes, *Diabetes Obesity & Metabolism* [P], vol 17, issue 6, pp. 608-612.


Piton, G., Cypriani, B., Regnard, J., Patry, C., Puynaveeu, M., Capellier, G., 2015, Catecholamine use is associated with enterocyte damage in critically ill patients, *Shock* [P], vol 43, issue 5, pp. 437-442.


Sharma, V., Sarna, A., Luchters, S., Sebastian, M.P., Degomme, O., Saraswati, L.R., Madan, I., Thor, I., Tun, W., 2015, ‘Women at risk’: the health and social vulnerabilities of the regular female partners of men who inject drugs in Delhi, India, Culture Health & Sexuality [P], vol 17, issue 6, pp. 623-637.


Spelman, T., 2015. Comparison of switch to fingolimod or interferon beta/glatiramer acetate in active multiple sclerosis, JAMA Neurology [vol 72, issue 4, pp. 405-413.
Stewart S, Chan YK, Wong C, Jennings G, Southam P. Estersuffusion (the CHEER trial), Resuscitation [vol 86, issue 8, pp. 84-94.


Appendix 3: SPHPM Senior Staff Board and Committee Memberships

**Professor John McNeil**
Board member: International Society of Cardiovascular Pharmacotherapy
Board member: Austin Hospital Board of Management
Board member: Australian and New Zealand Intensive Care Research Centre
Board member: Victorian Managed Insurance Authority
Board member: Australian Clinical Trials Alliance
Committee member: National Blood Authority (NBA): Haemovigilance Advisory Committee
Committee member: Ambulance Victoria: Medical Advisory Committee
Committee member: Austin Hospital: Austin LifeSciences Board
Committee member: Cancer Council Victoria: Cancer Registry Scientific Advisory Group
Committee member: Red Cross Blood Transfusion Service: Research Advisory Committee
Committee member: Victorian Premier's Award for Health and Medical Research: Selection Panel
Committee member: Club Melbourne: Ambassador
Committee member: Burnet Research Institute Scientific Advisory Committee
Committee member: Australian Commission for Safety and Quality: Quality Registries Committee
Chair: Alfred Hospital: Ethics Committee
Committee member: Alfred Hospital: Pharmacy and Therapeutics Committee
Chair: Austin Hospital Board: Clinical Safety and Quality Committee
Committee member: Victorian Cardiac Arrest Registry Advisory Committee
Faculty Executive: Monash University: Faculty of Medicine, Nursing & Health Sciences
Committee member: Victorian Department of Health: Standing Committee on Health Quality, Safety and Outcomes
Committee member: Australian Stroke Clinical Registry
Committee member: Victorian Public Hospitals: Chairs of Board Quality Committees
Committee member: Victorian Department of Health: Patient Safety Advisory Committee
Committee member: New South Wales Department of Health: Genomics Scientific Advisory Group
Committee member: Joint Management Committee, Prostate Cancer Health Outcomes Research
Committee member: Australian Breast Device Registry (ABDR) Governance Committee
Committee member: Victorian Department of Health: Health System Information, Knowledge and Innovation Management Advisory Committee
Chair: Victorian Department of Health: Medicinal Cannabis Expert Advisory Committee
Committee member: Cancer Australia: Stage, Treatment and Recurrence (STaR) Steering Committee
Committee member: Consultative Council on Obstetric and Paediatric Mortality and Morbidity

**Professor Michael Abramson**
Editorial Board member: Respirology, BMC Pulmonary Medicine
Associate Editor: International Journal of Tuberculosis and Lung Disease
Committee member: Asthma Australia National Research Council
Committee member: NHMRC Wind Farms and Human Health Reference Group

**Professor Robin Bell**
Editorial board member: Menopause Journal (Journal of the North American Menopause Society)
Editorial board member: Climacteric (Journal of the International Menopause Society)
Member of the Scientific Program Committee for the International Menopause Society meeting in Prague in 2016

**Professor Rachelle Buchbinder**
Coordinating Editor: Cochrane Musculoskeletal Advisory Board Member: Cochrane Back Group
Editorial Board Member: BMC Musculoskeletal Disorders
Editorial Board Member: BioMed Central Chiropractic & Osteopathy
Editorial Board Member: Arthritis Research & Therapy
Editorial Board Member: Physical Therapy
Editorial Board Member: Rheumatic & Musculoskeletal Diseases Open
International Editorial Board Member: einstein
Vice President: Australian Rheumatology Association (ARA)
Member: Scientific Program and Research Committee, Australian Rheumatology Association
Chair: Arthritis and Musculoskeletal Conditions Steering Group for the NHMRC Research Translation Faculty
Co-chair: Epidemiology and Public Health Abstract Review for the 2015 American College Rheumatology Annual Scientific Meeting
Member: Surveillance Task Force, Bone and Joint Decade 2010–2020

**Professor Allen Cheng**
Member: Australian Atlas of Healthcare Variation Expert Advisory Group on Knee Pain for the Australian Commission on Quality and Safety in Health Care
Member: American Society for Bone and Mineral Research (ASBMR) Task Force on Long-Term Safety and Efficacy of Vertebral Augmentation
Member: International Organising Committee, Low back Pain Forum
Member: Working Group (ARA nominee), Australian Government Department of Health Medicare Benefits Schedule (MBS) Review of imaging for low back pain
Member: Working Group (ARA nominee), Australian Government Department of Health Medicare Benefits Schedule (MBS) Review of hip arthroscopy
Member: Advisory Committee Victorian Department of Health on the use of cannabis for medical purposes
Member: Scientific Advisory Committee, Defence Health Foundation
Member: Writing Group, Therapeutic Guidelines: Rheumatology, 3rd Edition
Chair: Osteoarthritis Clinical Care Standard Topic Working for the Australian Commission on Quality and Safety in Health Care
President-Elect: International Marcé Society for Professor Jane Fisher

Professor Olaf Drummer
Board member and immediate past president of the International Association of Forensic Toxicologists (TAFT)
President of the Forensic and Clinical Toxicology Association of Australia Inc (FACTA)

Professor Jane Fisher
President-Elect: International Marcé Society

Professor (David) Jamie Cooper
Head, Critical Care Division: Research and Registries, SPHPM
Director, Centre of Excellence for Patient Blood Management in Critical Illness and Trauma (Blood-CRE), SPHPM
Director, ANZIC-RC, SPHPM
Chair, ANZIC-RC Advisory Board, SPHPM
Member, SPHPM Senior Executive
Member, Victorian Neurotrauma Advisory Council (VNAC)
Member, Centre for Brain Injury Board
Member, Executive Management Committee, Monash-Alfred Injury Network
Member, Executive Management Committee, NHMRC Monash Partners Advanced Health Research and Translation Centre Critical Care, Trauma and Perioperative Medicine Theme
Editorial Board Member of the journal of the College of Intensive Care Medicine: Critical Care and Resuscitation

Professor Susan Davis
Board member: International Menopause Society
Co-Chair: International Consultation on Sexual Medicine, International Society for Sexual Medicine
Chair: Scientific Programme Committee, 15th World Congress on the Menopause 2016
Member: NHMRC Practitioner Fellowship Peer Review Panel
Member: Endocrine Society Clinical Practice Guideline Panel for the Menopause
Member: Endocrine Society Clinical Practice Guideline Panel for the use of Androgens in Women
Member: Endocrine Society Partnership for the Accurate Testing of Hormones advisory panel

Professor Olaf Drummer
Board member and immediate past president of the International Association of Forensic Toxicologists (TAFT)
President of the Forensic and Clinical Toxicology Association of Australia Inc (FACTA)

Professor Jane Fisher
President-Elect: International Marcé Society

Perinatal Mental Health
Member: National Health and Medical Research Council Translational Research Faculty
Temporary Technical Advisor, World Health Organization Western Pacific Regional Office
Member: National Health and Medical Research Council Expert Advisory Group for Mental Health and Parenting
Member: National Health and Medical Research Council Grant Review Panel, Epidemiology and Population Health
Member: Expert External Review Panel, UBS Optimus Foundation

Professor Belinda Gabbe
Committee member: International Collaborative Effort on Injury Steering Committee
Invitee: State Trauma Committee, Department of Health
Committee member: Research Committee, School of Public Health and Preventive Medicine
Committee member: Compensation Research Database Steering Committee
Committee member: BRANZ Steering Committee, Committee member: Victorian Orthopaedic Trauma Outcomes Registry Steering Committee
Committee Member: Australasian Trauma Society Committee member: Victorian State Trauma Outcomes Registry Monitoring Group Steering Committee, Committee, Department of Epidemiology and Preventive Medicine, 2002-ongoing
Committee member: Victorian Orthopaedic Trauma Outcomes Registry Steering Committee, Department of Epidemiology and Preventive Medicine, 2003-ongoing, Chair.
Committee member: Research Advisory Committee, Victorian Institute of Forensic Medicine, 2010-ongoing.
Associate Editor for the Journal of Science and Medicine in Sport
Associate Editor for Medicine

Professor Sally Green
Member, NHMRC Health Care Committee
Member, NHMRC Advisory Group on the Synthesis and Translation of Research Evidence
Board Member, International Society for Evidence-Based Health Care

Professor Henry Krum
Chairman: Adverse Drug Reactions Committee, Alfred Hospital
Committee member: Faculty of Medicine Centres Committee
Committee member: NHMRC Committee on Unproven Therapies
Committee member: Pharmacy and Therapeutics Advisory Committee, Alfred Hospital
Deputy chair: Research Ethics Committee, Alfred Hospital
Executive committee member; EFFECT-HF Study
Steering committee member: ACCELERATE
Executive committee member: ARTS Study Program
Executive committee member: TRUE-AHF Study
Steering committee member: CANTOS Study
Steering committee member: ELIXA Study
Steering committee member: PRESERVATION 1 Study
Executive committee member: VIVVID Study
Co-Chairman: PRECISION 24 Hour ABPM Sub-Study
Chairman, executive committee: Global PI, ATMOSPHERE Study
Executive committee member: PARAGON-HF Study

Professor Karin Leder
Leadership group, GeoSentinel Surveillance Network
President, Asia Pacific Society of Travel Medicine
Editorial Board Member: Journal of Travel Medicine
Editorial Board Member: Travel Medicine and Infectious Diseases
Section Editor for Travel Medicine, UpToDate
Executive board member: International Society of Travel Medicine
Executive board member: Asia Pacific Travel Health Society
Co-Chair: Scientific Programme Committee, International Society of Travel Medicine, 2017
Scientific Committee, Asia Pacific Conference on Travel Medicine, 2016
Member: NHMRC New and Emerging Health Threats Steering Group
Member: National Health and Medical Research Council Grant Reviews, Public Health Panel
Member: Water Research Australia

Professor Brian Priestly
Chair, Education sub-committee and committee member: Australasian College of Toxicology & Risk Assessment (ACTRA)
Member, Program Advisory Committee, CRC-
CARE project on contaminants of emerging concern
Member: SA Government Advisory panel on TOE contamination at Glodally/Mitchell Park
Member: Scientific Reference Group for the Monash University Hazelwood Health Study

Professor Chris Reid
Associate Editor: Clinical Experimental Physiology & Pharmacology
Associate Editor: Cardiovascular Therapeutics
Associate Editor: International Journal of Cardiology
International Editorial Consultant: ASEAN Heart Journal
National Coordinator: CLARIFY Registry
Committee member: International Steering Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Co-Chair: Publication & Ancillary Studies Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Faculty and Advisory Group Member: ASCEND (Asian Collaboration for Excellence in Non- Communicable Disease) RESEARCH Network
Chairman: Data and Safety Monitoring Board, AVOID Study (Air versus Oxygen in Myocardial Infarction)
Member: Monash Institute of Graduate Research
Member: Faculty Board, Monash Faculty of Medicine, Nursing and Health Sciences
Member: ACS Care Implementation & Advocacy Group, Heart Foundation
Collaboration and Exchange Awards Panelist: Heart Foundation
Chairman: Early Discharge following Acute Coronary Syndrome (EDACS) Data Safety Monitoring Board
Committee member: South East Asian Community Observation Scientific Advisory Board
Expert Panel, Management of Type 2 Diabetes NHMRC Guidelines

Professor Joan Ozanne-Smith
Committee member: Editorial Committee for the World Health Organization’s Global Report on Drowning

Professor Malcolm Sim
Board member: International Commission of Occupational Health (ICOH)
Editor-in-Chief: Occupational and Environmental Medicine
Associate editor: Asia Pacific Journal of Public Health
Editorial board member: Journal of Military and Veterans’ Health
Chair: Occupational Medicine Scientific Committee of the International Commission of Occupational Health
Committee member: Scientific Reference Group of the Study Program of Mental Health in NSW Emergency Services Personnel
Committee member: Exposure Assessment Committee, Mobi-Kids case control study of brain tumours in young people and mobile phones
Committee member: Human Research Ethics Committee of the Australian Institute of Health and Welfare
Committee member: Management Committee of the Epidemiology in Occupational Health Scientific Committee of the International Commission on Occupational Health
Committee member: Serum Management Committee to monitor use of serum samples collected during the Gulf War study, established by Department of Veterans’ Affairs
Committee Member: OHS Program Advisory Committee for the Institute for Safety, Compensation and Recovery Research
Committee Member: Scientific Advisory Committee for the Defence Health Foundation
Member: Editorial Board of the Cochrane Collaboration OSH Review Group 2013.
Member: Scientific Committee of the EPICOH Conference held in Utrecht in June 2013
Member: Workplace Exposure Surveillance working group established by Safe Work Australia in 2013

Professor Helena Teede
Director Monash Centre for Health Research and Implementation – MCHRI, Monash University, in partnership with Monash Health
Head - Women's Public Health Research, School of Public Health and Preventive Medicine
Member - SPHPM Senior Executive
Professor and Endocrinologist - Diabetes and Vascular Medicine, Monash Health
Member - Monash Doctors Council
Member - Monash Health Research Council
Member - Monash Health Translation Precinct Executive Committee
Associate Editor Clinical Endocrinology 2014
President - Endocrine Society of Australia
President Elect – International AECOS Society
Director - National Alliance on PCOS and NHMRC Centre of Research Excellence PCOS
NHMRC:
Member - CEO Advisory Committee on Translation of Evidence into Practice
Chair - National Translation Faculty Diabetes Committee
Member - National Translation Faculty Obesity Committee
Member – National Data Reference Group
Member - National Health Care Committee (HCG) – second triennium
Member - National Research Committee
Member - Research Translation Faculty Symposium Program Committee
Advisory government and NGO roles:
Member - State Government/Cancer Council Steering Committee and advisory role in obesity prevention
Diabetes Australia – Victorian Clinical Advisory Committee member

Professor Andrew Tonkin
International Associate Editor: Circulation
Member Editorial Board: Current Atherosclerosis Reports
Member Editorial Board: Cardiovascular Drugs and Therapy
Committee member: Cardiovascular Working Group within Internal Medicine Topic Advisory Group for revision of the International Classification of Diseases (ICD-11), World Health Organisation
Chairman of the Advisory Committee: National System for Monitoring Cardiovascular Disease, Department of Health and Ageing (AIHW)
Committee member: Vascular Disease Monitoring Advisory Group, Department of Health and Aging (AIHW)
Chairman: LIPID Management Committee, National Heart Foundation of Australia
Committee member: Executive Indigenous Council, Cardiac Society of Australia and New Zealand
Chairman: Data and Safety Monitoring Board ATACAS and CAAN-AF
Committee member: Data and Safety Monitoring Board: REVEAL

Professor Barbara Workman
Chair: MONARC Advisory Committee, Monash University
Committee Member: Bachelor of Health Science Course Advisory Committee, Swinburne University of Technology
Committee Member: Victorian Geriatric Medicine Training Program (VGMP) Advisory Committee, Australian and New Zealand Society for Geriatric Medicine (Victorian Division) / Department of Health & Human Services, State Government of Victoria
Medical Lead: Residential Inreach, Monash Health
Medical Lead: Pain Clinic Co-ordinators Group, Monash Health
Member: Clinical Leadership Group on Care of Older People, Department of Health & Human Services, State Government of Victoria
Member: Subacute Peak Body, Department of Health & Human Services, State Government of Victoria
Chair: SENIOR Medical Staff Association, Monash Health

Professor John Zalcberg
Chair, Australian Clinical Trials Alliance
Non-Executive Director, Board of Australian Red Cross Blood Service
Co-Chair, Cancer Drugs Alliance
Member, Medical Cannabis Working Party, Victorian Department of Health
Monash Partners Comprehensive Cancer Consortium Executive Committee
Committee member, Australasian Leukaemia & Lymphoma Group supportive care committee
Committee member, ANZIC-RC Board
Chair and committee member, ASPREE Clinically Significant Bleeding endpoint
Editorial board member, Transfusion Medicine, journal of the British Blood Transfusion Society and the Network for Advancement of Transfusion Alternatives
Editorial board member, Transfusion Medicine Reviews

**Associate Professor Robyn Woods**

Deputy Chair, Australian Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Deputy Chair, International Steering Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Deputy Chair, ASPREE Healthy Ageing Biobank Steering Committee
Member, International Executive Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, International Publications, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Presentations & Ancillary Studies Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, International Data Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Australian Training, Recruitment, Retention & Operations Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Australian Data Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, ENVISion Steering Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, ALSOP Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Anti-sepsis Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, SNORE-ASA Steering Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Falls & Fractures Steering Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, NEURO Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, HEARING Management Committee, Aspirin in Reducing Events in the Elderly (ASPREE)
Member, Steering Committee, Statins in Reducing Events in the Elderly (STAREE)
Member, Executive Committee, Statins in Reducing Events in the Elderly (STAREE)

**Associate Professor Sophia Zoungas**

Member: Research Committee SPHPM
Member: NHMRC Translation Faculty Diabetes
Chair: CONTROL Trial, Collaborators on Trials of Glucose Lowering organising committee
Chair: National Association of Diabetes Centres Steering committee
Vice President and President Elect: Australian Diabetes Society (ADS) council.
Member: International Hypoglycaemia Study Group (IHSG)
Member: Australian Institute of Health & Welfare Diabetes Expert Advisory Group
Member: Expert Reference Group for E-health and Coordinated Care Program, and Data Utilisation and Analytics National Development Program, Diabetes Australia
Associate editor: Diabetic Medicine
Member: High Level Health Claims Committee and Health Claims Scientific Advisory Group (HCSAG) for Food Standards Australia New Zealand (FSANZ)
Member: Diabetes Australia Board
Member: Australian Diabetes Educators Association (ADEA) Research Foundation Board.
National leader and medical advisor: CANVAS and CANVAS R trials
Advisory board participation: Merck Sharp and Dohme, Sanofi, Bi/Lilly Pharmaceuticals
Further information
School of Public Health and Preventive Medicine
Level 6, The Alfred Centre
99 Commercial Road
Melbourne, Victoria 3004
Australia
Telephone: +61 3 9903 0555
Email: kate.windon@monash.edu