



Department of Community  
Emergency Health &  
Paramedic Practice

Year in Review 2014





## Contents

> Head of Department Report	2	> Staff Activities	22
> Highlights of 2014	3	> HDR Students	27
> Education Programs at DCEHPP	4	> Summer Scholars	29
> Emergency Health Education	5	> Grants	30
> Educational Innovations	10	> Publications	31
> Industry Partnerships	15	> Staff	39
> Community Engagement	20		





# Head of Department Report



Dear colleagues,

It is with great pleasure that I introduce the 2014 Year in Review for the Department of Community Emergency Health and Paramedic Practice's (DCEHPP), Monash University. This review provides a summary of key activities in education, research, and community engagement throughout 2014.

I am honoured to be leading one of the best and brightest paramedic departments in the world; a department that has demonstrated ongoing excellence in all facets and sectors of education and paramedic-orientated research. This is an exciting time for the paramedic discipline in Australia offering challenges and opportunities within the emergency health care and tertiary education sectors. On the emergency health care front, the current discourse and work being undertaken regarding national paramedic registration appears very promising and a positive outcome appears imminent. While on the Australian tertiary sector front changes to student fees and the general landscape of pedagogical approaches provide tremendous opportunity for contemporary and novel approaches to student learning. With almost 15 years experience in this sector DCEHPP is well-placed to not only deal with these

challenges but provide industry-based solutions for the next generation of paramedics and researchers.

While a number of specific highlights have occurred throughout 2014 it is important to note that our student preferences continue to increase in record numbers in both in the undergraduate and postgraduate groups. Our peer-review publication output continues to shine and our PhD enrolments are at an all time high and bodes well for the future and next generation of paramedic leaders. We are also extremely proud to continue our longstanding partnerships with our key stakeholders: Ambulance Victoria, Metropolitan Fire Brigade, ACT Ambulance Service, Queensland Ambulance Service, Ambulance Tasmania, Department of Health, Fatima College of Health Sciences, and Health Education Australia Limited.



## This year has produced a number of notable highlights including:

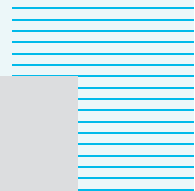
- A 5-year contract extension with Ambulance Victoria to deliver the Mobile Intensive Care Ambulance (MICA) and Aeromedical Rescue and Retrieval postgraduate programs.
- A 12-month contract extension with Metropolitan Fire Brigade to deliver the Emergency Medical Training program.
- Full accreditation of the Fatima Bachelor of Emergency Health (Paramedic) conversion program in Abu Dhabi.
- A category 2 grant with the Department of Health, Victorian State Government.
- Highest number of category 1 peer-reviewed publications in the Department's history.
- Highest number of Higher Degree by Research students in Department's history.
- Inaugural Department Research Symposium.
- Translation of research output from Department's Research Summer Scholarship Program.

I hope you gain fresh insights into the different activities undertaken by DCEHPP through the 2014 Year in Review.

**Assoc Prof Brett Williams,**  
PHD, FPA. Head, DCEHPP



**“This is an exciting time for the paramedic discipline in Australia offering both challenges and opportunities within the emergency health care and tertiary education sectors”**



# Emergency Programs at DCEHPP

The DCEHPP offers one of the most comprehensive suite of accredited educational programs; from a three-hour short course to PhD. Many of these programs use flexible pedagogical approaches to teaching, or approaches that can be tailored to industry requirements. Further information on our programs can be found at:

[www.med.monash.edu.au/cehpp](http://www.med.monash.edu.au/cehpp)



PhD



Master of Emergency Health



Graduate Diploma of Emergency Health  
(Intensive Care Paramedicine)



Graduate Certificate in Emergency Health  
(Aeromedical and Retrieval)



Bachelor of Emergency Health  
(Paramedic)



Short Courses



# Emergency Health Education

## London Bound

The London Ambulance Service (LAS) conducted an extensive recruiting campaign in Australia for the first time this year. Increasing ambulance demand and a commitment to have more registered healthcare professionals overseeing patient care in the UK has resulted in a net shortage of trained paramedics. The similarities in training, skills and competencies between Australian and the UK see our paramedics best placed to fill these shortages.

Several of our soon to graduate students saw this as a unique and exciting opportunity to begin their paramedic careers internationally. Those who applied progressed through an extensive assessment process including written and oral clinical examinations, a cardiac arrest scenario and behavioural interview. Nine successful students will be heading off in the new year to embark on their journey

with LAS. They will receive financial support to relocate to London, and undergo a short conversion course prior to being deployed. It is a credit to these exceptional students, who have shown great commitment and endeavour over three years to become knowledgeable, clinically astute and caring paramedics. We have no doubt they will represent Monash University and the Department of Community Emergency Health and Paramedic Practice favourably, and wish them all the best as they embark on this once in a life time venture.



**“Several of our soon to graduate students saw this as a unique and exciting opportunity to begin their paramedic careers internationally.”**

# Emergency Health Education

## PARASOC



The Monash University Paramedic Society or PARASOC is the most active student club on Peninsula Campus. Primarily a social and academic group, membership approached the three hundred mark in 2014. Key social events for the year included our annual boat cruise and regular fortnightly barbeques. Our annual ball was an epic night to remember; this years sell out was themed as Red Carpet, it gave all students and staff the opportunity to get dressed up and enjoy an elegant night away from the books and clinical placements. PARASOC has always been heavily invested in the academic performance of our members. This year saw the development of an online environment to pool academic resources and provide support to our members.



In 2014 PARASOC hosted a “Pathways Symposium” that showcased the variety of career opportunities available for graduates of a Bachelor of Emergency Health. Industry representatives from the state ambulance service, private patient transport, research and private medics attended to give an overview of careers, entry pathways and what to expect with a career in each. This event was incredibly well received by members with over 250 students in attendance from Monash University, Victoria University, La Trobe University and Australian Catholic University; furthermore the symposium was simulcast to paramedic students in NSW via YouTube.



## Paramedic student receives commendation

A third-year paramedic student was been awarded a commendation by Ambulance Victoria for her bravery and life saving efforts in a serious crash this year.

Cristina Courtney from the DCEHPP came across 18-year-old Andrew Vagias just moments after he crashed his car into a pole in Donvale. Andrew was unconscious, trapped and in a critical condition.

Using the skills and training Cristina learnt in her time at Monash, she quickly switched into mode and started observations on Andrew. “As soon as I saw the car, I grabbed my first aid kit from the back of my car and jumped into the passenger seat,” Cristina said.

While waiting for the ambulance and Mobile Intensive Care Ambulance (MICA) units to arrive, Cristina secured the neck in a safe position, allowing oxygen to flow to the brain and potentially avoid serious brain injury.

The training paramedic continued to take observations, and check for further injuries until paramedics Peter Godwin, Tony Forder and Yvette Dempsey arrived on scene.

The accident has only furthered Cristina’s desire to continue in her studies, and become a fully qualified paramedic.

“It was amazing to not only be able to help Andrew but to be able to put my training into practice like that, and to see how all the other paramedics worked,” Cristina said.

“It was reassuring to know that I could stay calm in a situation like that. It was the first time I saw a chest decompression, and I watched as one of the paramedics put a tube into the chest and re-inflated the lung.” Intensive care paramedic Mr Godwin was so impressed by Cristina’s efforts, he nominated her for an Ambulance Victoria commendation.

“When Cristina got there Andrew was slumped over and not breathing very well,” Mr Godwin said. “By clearing the airway and allowing him to be able to breathe on his own again that’s been able to get him to the point he’s at now.”



# Emergency Health Education



## Volunteering in the Community

Second year students complete 50 hours of volunteer community participation as part of 'The Paramedic in the Community' unit. This unit, and the volunteer experience, aim to broaden student's understanding and awareness of the community groups they will encounter as paramedics and allow them to develop their interpersonal communication and people skills.

Community agencies are eager to participate and welcome the inclusion of Monash student paramedic volunteers into their programs. Some of the agencies involved include: The Salvation Army, Melbourne City Mission, Australian Indigenous Mentoring Experience (AIME), Extended Families, Ride to Conquer Cancer and Multiple Sclerosis Australia.

## Student reflection:

*“It has been such a rewarding and pleasurable experience to have volunteered with the Salvation Army and Berendale School. Both of these places have provided me with a range of skills that will prepare me in the future when becoming a paramedic in the community. Empathy, patience, assertiveness, firmness and the ability to defuse situations are just some of the many skills that I have learnt over the course of the unit and the semester.”*

## Family Violence Education

PACTS: An innovative Primary care program Advancing Competency To Support family violence survivors.

The PACTS project aims to improve learning and teaching on family violence in prevocational Australian primary health care courses so graduates are better equipped, with knowledge and skills, to respond to patients/clients who have experienced family violence.

The project, which commenced in December 2012 and is scheduled to conclude in July 2015, is being conducted at Monash University in collaboration with three partner universities: The Australian National University, The University of Melbourne and The University of Newcastle.

The project team, led by Associate Professor Jan Coles from the Department of General Practice, includes representatives from Monash University health care disciplines including Linda Ross from DCEHPP. An extensive online course, with accompanying videos, has been developed and piloted with paramedic and medicine students in first semester this year.

After piloting, the course will be available as an open access online resource. The PACTS project is funded by the Australian Government Office for Learning and Teaching. The project also received a special grant from the Victorian Women’s Benevolent Trust.



# Educational Innovations

## Eye Tracking project

This year saw the conclusion of an Office for Learning and Teaching Grant titled “Can eyetracking technology improve situational awareness and student feedback during simulation?” The project sought to address the challenges of using feedback to improve the quality of students’ learning and capacity to recognise and develop situational awareness using eye-tracking technology.

Central and unique to this study was the use of eye tracking technology (point of view cameras attached to a pair of glasses). Originally developed for the marketing and aviation industries this technology is used to identify individuals’ area of interest, gaze fixation/duration, and scan path (e.g. a focus on particular supermarket shelves or television advertisement) and enable analysis of where individuals are looking when a decision is made).

The implementation of this technology has provided powerful feedback and debriefing tool, and to our knowledge, no other projects have used this technology to capture SA or determine if this technology improves students’ feedback. Eye tracking devices have never been used in the emergency setting and it is likely that this simulation-based program will not only inform education and practice but have the potential to be translated into clinical practice. For example ‘point of view’ cameras are now available for a few hundred dollars and could be used for recording of resuscitation events in order to rate performance and enable team debriefing.





## Simulation of the Management of Unplanned Births: An Innovative Strategy for Interprofessional Learning Involving Undergraduate Paramedics, Midwives and Nurses.

The rate of births before the arrival of a midwife is an increasing problem in Victoria with close to one baby born each day in an unplanned environment. Prior to the arrival of a midwife, paramedics and nurses are often the first health professionals to provide care. As well as creating anxiety for emergency medical personnel, unplanned births in the community or emergency department have increased risk of poor outcomes for mother and baby due to a lack of crucial but simple management.

A collaborative project between DCEHPP and the School of Nursing and Midwifery was conducted in an attempt to address these issues and to explore and improve students' clinical knowledge and self-efficacy in preparation for life as clinicians. The activity between undergraduate paramedic, nursing and midwifery students created a simulated scenario of an unplanned birth in the emergency department designed for final year students in the three undergraduate programs to promote interprofessional learning.

The activity was a great success and resulted in very positive feedback from students...not to mention the safe 'birthing' of many babies!



## Values Exchange: Engaging students in ethical enquiry through an interactive webbased learning community.

Ethics education is an essential component of university healthcare programs and ethical behaviour is a key attribute of health professionals globally. However, teaching and assessing values and ethics in clinical decision making is challenging. Students often tend to see clinical issues as having 'right' and 'wrong' options, however issues in healthcare disciplines often fall into 'grey' areas with degrees of 'correctness'.

The Values Exchange (VX) offers an innovative and interactive alternative to traditional pedagogical approaches. VX is a networked web-based learning community supporting students to think deeply about ethical issues in their practice. Through a series of interactive screens, students consider clinical cases and scenarios with a range of contextual factors. Students reflect on their reasoning, identify factors influencing their views and may access the choices and reasoning of others, adding depth to their reflections on individual values and practices.

VX allows students to explore individual beliefs, seek a diverse range of views, and encourages the formation of new viewpoints. Its underpinning values based theory founded on the idea of recognising and valuing diversity complements the attributes DCEHPP encourages in its students.



MONASH University  
Medicine, Nursing and Health Sciences

57 XP

Please complete your demographics

- News Feed
- Messages
- Boards
- Issues (2)

The Values Exchange lets you post issues that matter to you - as discussions, polls, surveys, digital boards and Think Screens. Anyone can join this free version of the Values Exchange - this is Social Networking with Brains! Sign in, respond to issues that interest you, think deeply and learn from others.

### TOP ISSUES

<p>CASE</p> <p>BABY BOXES: Rejection or Protection? (Uni Collaboration)</p> <p>RESPOND</p>	<p>CASE</p> <p>"I WANT TO GO HOME": Mrs. Fernandez, arthritis, diabetes and rights...</p> <p>RESPOND</p>	<p>CASE</p> <p>Drug Misuse Suspicion</p> <p>RESPOND</p>
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## Near-peer teaching at DCEHPP

Near-peer teaching involves the students taking on the responsibility of helping each other to learn, by placing the commitment of teaching and learning on the students. This is the fourth consecutive year of NPT within our Bachelor of Emergency Health (Paramedic) degree program.

Near-peer teaching is defined when senior students (one or more years senior in training on the same level of the education spectrum) teach more junior students. Our mixed methodology data suggests NPT can create a cooperative learning environment, providing benefits to all students involved. Our results suggest that NPT is valuable and that peer learners believe teaching is an important role for paramedics.

Further information on our nearpeer teaching program can be found at:

[www.med.monash.edu.au/cehpp/near-peer-teaching](http://www.med.monash.edu.au/cehpp/near-peer-teaching)

Whether any aspects of the NPT program had assisted their current work, the following sample responses were given:

“Communication without doubt. I’m not very good at public speaking – the opportunity for me to practise my public speaking during the NPT program has most definitely helped me in my current role as a paramedic in Papua New Guinea where I have to communicate with patients from a different culture and different-communication expectations”.

**“Our results suggest that near-peer teaching is valuable and that peer learners believe teaching is an important role for paramedics.”**



## Monash Students Moulage for ARRO Challenge

On the 25th-27th of July, third year paramedic students from DCEHPP volunteered as patients at the Australasian Road Rescue Organisation (ARRO) Challenge. This is an annual challenge for Australasian road rescue teams. The challenge consisted of 3 scenario classes; time critical patient extrication, controlled patient extrication, and trauma.

The weekend was a fantastic learning experience for all the paramedic students involved. They not only had the opportunity to gain perspective as a patient but had ample opportunity to speak to, and ask questions of the rescue crews involved in the challenge.

Thanks to all involved and to ARRO for the opportunity to participate.



Participating as a patient in these scenarios was a great experience for all the paramedic students involved. Kate Hardy recounts her experience;

*“Being ‘trapped’ in an upturned car and undergoing the process of extrication is a unique and unsettling experience. The sound of the ‘jaws of life’ and other machinery cutting into the car doors and roof is deafening. People are shouting and yelling instructions. Glass is shattering around you and the car shakes and shudders. Acting as patients in these scenarios has given me insight into what patients experience in a car accident; minus the actual injuries and pain.”*

*When I attend motor vehicle accidents in the future I will always draw on this experience. I will be better equipped to empathise with patients during extrication and prepare them for the process and the stimuli associated with it.”*

# Industry Partnerships

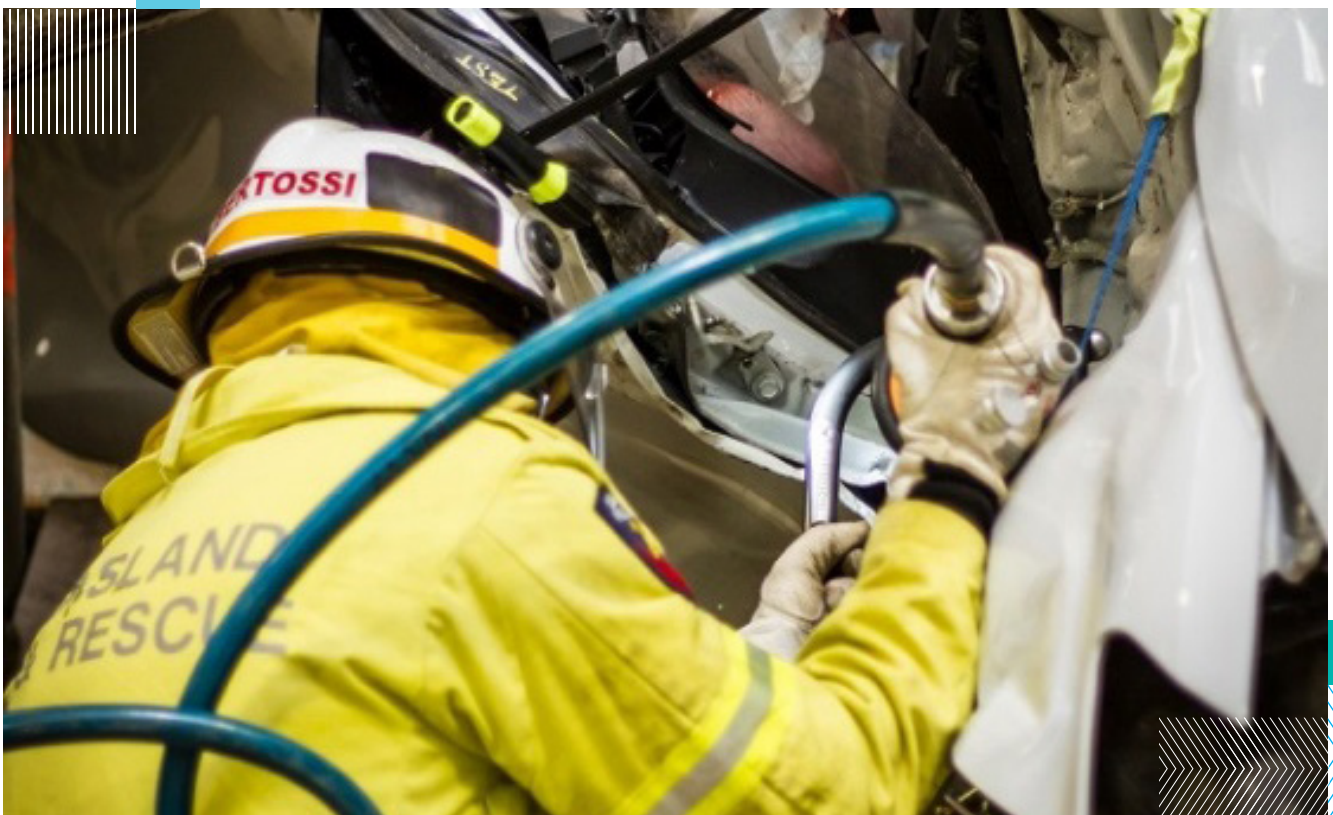
## Metropolitan Fire Brigade

The DCEHPP has worked closely with the Metropolitan Fire Brigade (MFB) in providing education and training to their firefighters for over 15 years. The DCEHPP aims to continue this partnership while increasing the innovation and contemporary nature of education and training that supports the Emergency Medical Response (EMR) program currently and into the future.

The DCEHPP delivery of the EMR program has continued to provide training and development across new recruit training which is now undertaken at the new Victorian Emergency Management Training Complex (VEMTC) in Cragieburn, Victoria. In 2014 the lecturers have trained 1 recruit course, 4 retention groups (96 firefighters) and signed off 404 firefighters in their re-certification program.

In the past year, the EMR crews have responded to 7,497 EMR calls within the Melbourne metropolitan regions between November 2013-October 2014 highlighting the important role the EMR system plays within the health care system in supporting Ambulance Victoria. REF Australian Incident Reporting System (AIRS).

With a focus on experimental, reflective and active learning styles, the firefighter EMR training has now evolved into a more practical-based program that encourages participant engagement and recognises and values the knowledge each member brings to the course. Feedback suggests these new approaches are having a positive impact on participants' learning and engagement levels.





## Hong Kong Ambulance Service

In June this year several DCEHPP members of staff were pleased to visit senior management and clinical staff at the Hong Kong Ambulance Service. Dr Brett Williams and Dr Paul Jennings were warmly welcomed by the Hong Kong Ambulance Service, being provided an overview of the pre-hospital and ambulance system in Hong Kong, as well as an overview of the strategic plans for Hong Kong Ambulance.

Brett and Paul were given a personal tour of the Hong Kong Ambulance Headquarters and shown around some of the operational ambulance fleet. The DCEHPP looks forward to the ongoing sharing of educational resources and future collaborative opportunities with Hong Kong Ambulance.

## HEAL (Health Education Australia Limited)

The year 2014 has seen the partnership between Health Education Australia Limited (HEAL) and the DCEHPP continue to grow. Throughout this year DCEHPP has worked closely with HEAL in developing short course programs in: 'understanding and promoting empathy' and 'BLS and ALS resuscitation principles'. Each of these short courses have been very well attended with excellent feedback.

Participant feedback on courses include: "Very helpful to know how to show empathy and rapport to patients"; "Thank you very much to the organisers and actors. Took away a lot of information on empathy!"; "The instructors were excellent at linking theory with practice ... a fantastic day!"



## Abu Dhabi National Ambulance Service

In July Brett Williams and Rod Mason were invited by the National Ambulance Service in Abu Dhabi by the Deputy CEO Ahmed Al Hajeri. Both Brett and Rod were warmly welcomed by all staff at the organisation; including a visit to their communications control room and purpose-built pharmacy unit.

We look forward to ongoing collaborative opportunities with Abu Dhabi National Ambulance Service and sharing expertise between both organisations.

## Monash Paramedic Program Licensing Agreement with Fatima College of Health Sciences, Abu Dhabi

Monash University entered into a curriculum licensing agreement with the Fatima College of Health Sciences (FCHS) during 2012 to license a number of undergraduate programs including: Pharmacy; Radiography & Medical Imaging; Physiotherapy; and Paramedics.



Established in 2006, the FCHS is a relatively new university which aims to meet the United Arab Emirates growing need for skilled healthcare professions. Under the landmark agreement, Fatima College will gain access to the Monash Bachelor of Emergency Health (Paramedic) curriculum. The DCEHPP has a dedicated lecturer responsible for customising the proven Monash curricula in a form that aims to accelerate the delivery of the program at the College. This work also involves setting up the three year degree program in an on line learning platform (Moodle).

Curriculum materials for semester one (year one) were delivered to the FCHS in June with a face to-face handover at the Fatima College in July. Formal teaching of the first semester has already commenced (August) and each semester runs over a 16 week period.

Customisation of the second semester curricula has been completed and delivered, and Associate Professor Brett Williams and Rod Mason will again travel to Abu Dhabi (December, 2014) for the formal handover, moderation, and to discuss any implementation issues with teaching staff. During this visit, a one day curriculum conference has been planned and will be conducted by Monash staff from the four undergraduate program areas. The 2014 FCHS Conference has a particular focus on 'Merged' or 'Blended' Learning, and Brett will be a keynote speaker. In his address, Brett will discuss how the faculty supports and fosters academic staff development and values, and facilitates academics skilled in developing and teaching with a quality merged learning environment.



In June this year, a delegation of seven senior staff from the FCHS visited Monash University for the first time. The purpose of the visit was to allow the delegates to learn more about the implementation of the various programs, and meet with key Monash staff and their respective counterparts. The DCEHPP hosted a visit by several members of the delegation at the Peninsula Campus on Thursday 26 June. A number of activities were held including a tour of facilities/resources, student practical scenario demonstrations, and an overview of research projects undertaken by the Department.

The total licence fee payment for the paramedic curricula is significant, approximately \$2.8 million.

# Community Engagement

## Monash Paramedic Students visit Mt Erin Secondary College

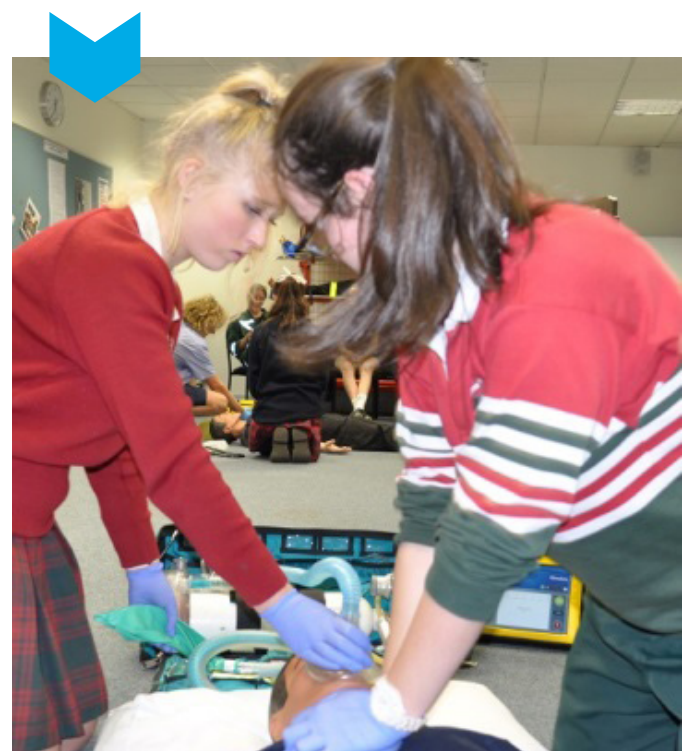
Paramedic students attended Mt Erin Secondary College to present to a group of students who are currently studying first aid as an elective subject. Julian Hannah and Ryan Bennett delivered an interactive 1 hour presentation which included some personal stories about their career choice, placement experiences and university life. They delivered engaging demonstrations, explained key basic life support principles and quizzed the students on their knowledge and training thus far. The Mt Erin students participated enthusiastically and were particularly keen to gain some hands on experience with resuscitation and spinal immobilisation equipment. Juliann and Ryan are to be commended for sharing their time and experience to inspire the next generation of paramedic students.

## Insight into Paramedicine Program 2014

The Insight to Paramedicine Program is an innovative program which offers year 11 and 12 students a rare insight into the Bachelor of Emergency Health (Paramedic) degree at Monash University. The program, initiated in 2013, is conducted with the DCEHPP on Peninsula Campus, after school hours over an 8 week period. The program introduces students to basic paramedic theory, skills and equipment. Current second paramedic students act as teachers and mentors throughout the program and facilitate small group practical sessions. Participants are able to gain a true and unique understanding of the requirements of the course through this program and their interaction with current students.

A mini-documentary of the program can be found at -

[www.med.monash.edu.au/cehpp/insight/index.html](http://www.med.monash.edu.au/cehpp/insight/index.html)



“The program was well organised and thoroughly enjoyable! The relaxed but educational environment was awesome, and had the perfect balance of theory and hands on activities. This was an amazing opportunity and definitely made me more open to the possibility of doing this course after year 12.”

– Attending Secondary School Student

## Open Day - August 2014

For aspiring higher education students wanting to explore career choices, seek advice or see inside Australia's largest university, Monash Open Day was the perfect opportunity for prospective students. Whether in Years 10-12 or even as a mature age student, Open Day at Monash is a fun way to get a taste of university life, obtain face-to-face advice from staff or current students and narrow down career options.

Close to 1000 student ambassadors were located across the University's Peninsula, Berwick, Caulfield and Clayton campuses, helping perspective students and their families make the most out of the 600 activities on offer at Monash Open Day. The ambassadors made their way around campus grounds answering questions, showing people around and offering unique insight into what life at Monash is like from a student's perspective.



## Bay Mob Indigenous Health and Education Expo

The sixth annual Bay Mob Indigenous Health and Education Expo was held at the Peninsula campus in October with the aim to help improve access to services for Indigenous people. Eight DCEHPP students from all year levels were involved on the day by organising and overseeing a cardio pulmonary resuscitation activity under the guidance of Lecturer Jaime Wallis. The students were involved in creating interest and engaging participants from all ages to take part in this interactive and highly successful event.

**“The Bay Mob event went really well - I thought it was an amazing day and the community liked it a lot.”**

**– First Year Student**

Each year the University's Yulendj Indigenous Engagement Unit holds events such as this to provide study options and pathways to study to prospective Indigenous students. The DCEHPP hopes to attract more Indigenous students into the paramedic program in the very near future.

# Staff Activities

## Inspiring Change - International Women's Day 2014

'Inspiring Change' was this year's theme for International Women's Day that was celebrated at Monash University with luncheons held at both Clayton and Caulfield Campuses.

Three members of staff from the DCEHPP attended the Caulfield luncheon held on the 11<sup>th</sup> March, 2014. Chantal Perera, Linda Ross and Jaime Wallis were amongst the 250 men and women who gathered to help celebrate and advocate women's rights and progression.

"It was an amazing opportunity to unite and network with like-minded people"

– Chantal Perera.

Guest speaker, Norah Breekveldt, shared her insights and experiences as a successful business woman and career coach. Norah has held senior leadership positions in

both prominent Australian and international organizations and is currently consulting across the public, private and not-for-profit domains.

Breekveldt has recently authored the book "Sideways to the Top -10 stories of successful women that will change your thinking about careers forever". This thought provoking book explores the journey of eleven women who challenged the status quo and took alternative career pathways to reach the top of their game.

"She clearly encapsulated the true spirit of the day as she was truly inspiring"

– Jaime Wallis.

"I enjoyed the opportunity to share this occasion with and learn from other women whom I admire. Nora is a fantastic example of how to succeed through hard work and dedication",

– Linda Ross

**Damien Dambrosi** Master of Emergency Health

**Chantal Perera** Master of International Health

**Kathryn Eastwood** Doctor of Philosophy  
"Managing the impact of growing low-acuity demand on ambulance services."

**Linda Ross** Doctor of Philosophy  
"Investigating the psychosocial needs of older patients in the pre-hospital environment and building the capacity of paramedics to meet these needs."

**Janet Curtis** Doctor of Philosophy  
"A mixed methods investigation into the effectiveness of workplace bullying interventions in a New Zealand ambulance service"

**Peter Jurkovsky** Master of Laws  
"Health law and the regulation of health practitioners"

**Rod Mason** Doctor of Philosophy  
"Cognition diversity in undergraduate paramedic students"

# Research

The DCEHPP has a number of active experienced and emerging researchers. Our focus is to leverage off our research strengths, concentrate our research into clear foci or 'programs', and become internationally known for high quality, prehospital research around these strengths.

Our overarching goal is,

**“to be recognised internationally as a centre of prehospital research excellence”.**

Very broadly, our research strengths and expertise relate to clinical emergency health research and educational research. Some projects that we have recently completed relate to:

## Educational Research

- Curriculum design
- Graduate attributes
- Inter-professional education
- Peer-assisted learning
- Simulation
- Empathy

## Emergency Health Research

- Management of acute pain
- Epidemiology and management of out-of-hospital cardiac arrest
- Patient safety and critical incident reporting and evaluation

- Epidemiology of trauma and injury
- Linkage of large datasets –registry data

Our staff are regularly invited to speak at national and international conferences and symposium about their research. In addition we regularly present Emergency Medical Services (EMS) research and evidence based medicine related short courses.

DCEHPP has also been very successful in the areas of refereed publications, grant income, Doctor of Philosophy, Masters and Honours student supervision and summer scholar research mentorship.

## Publications

The Department is very successful in publishing. Since 2009, DCEHPP has published 198 publications.

These include:

- 8 book chapters
- 167 refereed journal articles,
- 200+ conference abstract publications
- A number of research reports and expert commentaries

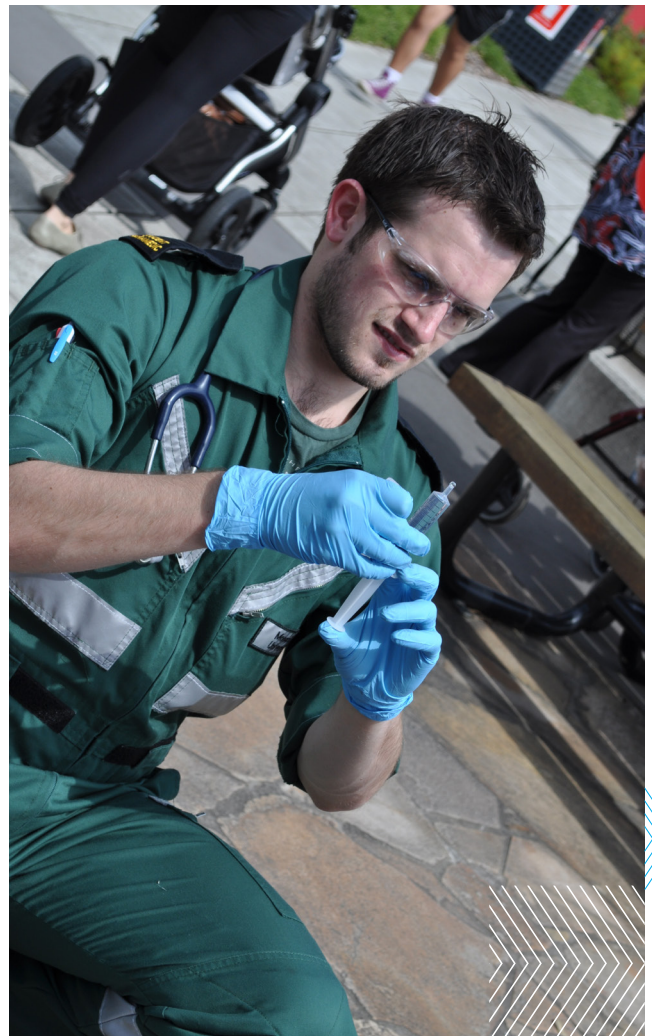
Many of these refereed publications appear in high quality paramedic, prehospital, EMS, nursing, emergency medicine and education journals. Our experienced researchers and authors are regularly called upon to review journal manuscripts for more than 20 journals. Several of our researchers hold appointments as Associate Editors and Editors with a number of EMS, emergency medicine and education journals.

## Research supervision

DCEHPP's experienced PhD qualified supervisors supervise 18 PhD students with three prospective PhD candidates currently progressing through the application process. Our PhD students are investigating a range of topics related to the Emergency Medical Services and Emergency Department settings. These projects include:

- Disaster nursing in Saudi Arabia
- Further development in ways of thinking
- Development of a clinical reasoning tool
- Attitudes towards the elderly
- The role of EMS in screening for Intimate partner violence
- Effectiveness of workplace bullying interventions
- Occupational stress among ED health workers in Saudi Arabia
- RSI in non-traumatic brain injured patients
- Role of paramedics in patient education
- Management of SCI in the prehospital setting
- Improving prehospital care in Indonesia
- What are the non-clinical factors effecting CPR by paramedic in OHCA
- EMS care of the obstetric patient
- Secondary triage in emergency ambulance services

In addition we currently supervise 3 students undertaking Masters degrees 'Projects', and 3 students undertaking Honours degrees, all focused on EMS clinical research. We also host a very successful 'Summer Scholar' research program every year for undergraduate paramedic students. This program involves our staff mentoring Summer Scholars as they work on research projects, which result in refereed publications and/or conference presentations.



# Research Highlights



## SimHealth2014 International Conference

Associate Professor Brett Williams, Head of DCEHPP recently won the best research paper at the SimHealth 2014 international conference in Adelaide. The paper titled: “The Satisfaction with Simulation Experience Scale (SSES): A cross cultural psychometric appraisal” examined and compared paramedic students’ attitudes toward simulation in Australia and Jordan.

The paper was co-authored by Prof Tracy Levett-Jones (University of Newcastle) and Eihab Khasawneh (Jordan University of Science and Technology).

## Paramedics Australasia conference

Final year Bachelor of Emergency Health student, Lynsey Smit, won the award for Best Undergraduate Student Paper at the Paramedics Australasia conference in September at The Gold Coast, Queensland.

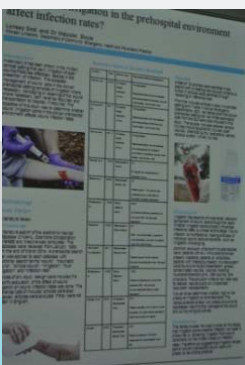
Lynsey’s paper entitled “Are there specific prehospital triage criteria for mass casualties with chemical, biological, radiological or nuclear exposure?” was co-authored by DCEHPP Senior Lecturer, Dr Malcolm Boyle.



## Paramedics Australasia conference

Final year Bachelor of Emergency Health student, Lynsey Smit and Dr Malcolm Boyle, were finalists for the award for Best Poster at the Paramedics Australasia conference in September at The Gold Coast.

The poster was entitled “Does wound irrigation in the prehospital environment affect infection rates?”





# Higher Degree by Research Students

Student name	Main supervisor	Associate supervisor	External supervisor	Project Title
Waleed Al Sheri	Assoc Prof Virginia Plummer	Dr Paul Jennings		Violence and aggression in the Emergency Department
Abdullellah Wasl Al Thobaity	Assoc Prof Virginia Plummer	Assoc Prof Brett Williams		Exploring disaster nursing core competencies and roles in Saudi Arabia
Shane Costello	Dr John Roodenburg	Assoc Prof Brett Williams		Further Development in Ways of Thinking
Janet Curtis	Dr Paul Jennings		Assoc Prof Leanne Boyd, Prof Michael O'Driscoll	A mixed methods investigation into the effectiveness of workplace bullying interventions in a New Zealand ambulance service.
Pieter Francois Fouche	Dr Paul Jennings	Prof Stephen Bernard, Assoc Prof Karen Smith, Dr Malcolm Boyle		Rapid Sequence Intubation in Out-of-Hospital Non-Traumatic Brain injuries
Corinne Hoo	Assoc Prof Ted Brown	Assoc Prof Brett Williams		Clinical reasoning of Occupational Therapy students
Susan Irvine	Prof Lisa McKenna	Assoc Prof Brett Williams		The impact of near peer teaching on learning and performance
Rod Mason	Assoc Prof Brett Williams	Dr John Roodenburg		Cognition diversity in undergraduate paramedic students
Tegwyn McManamny	Dr Paul Jennings		Dr Jade Sheen, Assoc Prof Leanne Boyd	What is the education role of paramedics for individuals and communities within metropolitan, rural and remote Australia?
Ala'a Oteir	Dr Paul Jennings	Prof Just Stoelwinder, Assoc Prof Karen Smith, Assoc Prof James Middleton		Epidemiology and management of suspected spinal cord injury patients in Victoria
Adam Pilmore	Dr Catherine Kamphuis	Dr Malcolm Boyle		What are the non-clinical factors that affect the efficiency of CPR by paramedics in OHCA?
Linda Ross	Assoc Prof Brett Williams	Dr Paul Jennings, Prof Colette Browning		Investigating the psychosocial needs of older adults in the out of hospital environment and building the capacity of paramedics to meet these needs.
Simon Sawyer	Assoc Prof Brett Williams	Assoc Prof Jan Coles	Dr Angela Williams	The prehospital response to intimate partner violence
Suryanto	Assoc Prof Virginia Plummer	Dr Malcolm Boyle		Improving Prehospital Emergency Care in Indonesia

# Masters by Research or Coursework Students

Student name	Main supervisor	Project title
Sarah Colquitt	Kathryn Eastwood	Self-assessment accuracy of paramedic students
Damien Dambrosi	Dr Paul Jennings	Adverse events associated with the use of ketamine as an analgesic in Air Ambulance Victoria
Jennifer Jennings	Assoc Prof Brett Williams	Near-peer teaching in nursing education

# Honours Students

Student name	Main supervisor	Project title
Tania Anthony	Dr Paul Jennings	The utility of blood glucose measurement in predicting major trauma patients
Damien Dambrosi	Dr Paul Jennings	The epidemiology and management of prehospital respiratory distress (completed)



# Summer Scholars – 2013/2014

## James Fowler

Paper: Can Peer-assisted Teaching Improve Clinical Examination Scores?

## Jessica Bertucci

Paper: Pathway to Paramedicine Program: Perspectives

## Kate Hardy

Paper: Is Peer-assisted Teaching and Learning an Effective Approach in Paramedic Education? A four-year longitudinal study

## Shelley Ngo

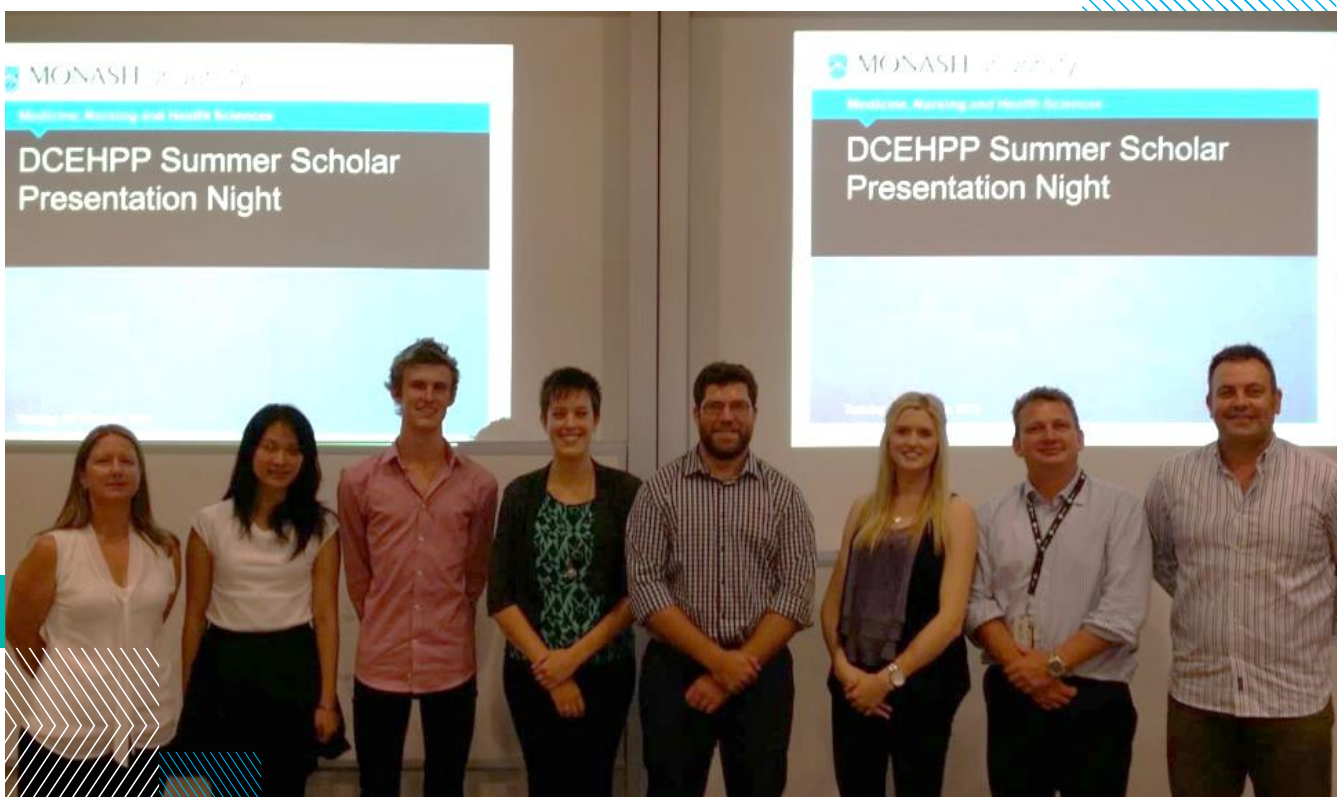
Paper: National Drug and Alcohol Mapping Project

## Sam Perillo

Paper: What are the Barriers to Learning Evidence Based Practice?

## Mariah McClounan

Paper: How Effective is Video Debriefing using Eye Tracking Glasses in Paramedic and Nursing Education?



# Grants

## Grant income

Researchers from the DCEHPP have been involved in projects which have received over A\$5Million of competitive grant and consultancy funding since 2009. Funding sources have included industry, philanthropic organisations, state and federal government departments, the National Health and Medical Research Council and the Australian Research Council.

This year has seen the DCEHPP be involved in over \$250K in peer-reviewed research grants and again demonstrates ongoing success in grant funding.

## Grants

- Investigators: Suryanto, Boyle M, Plummer V. Funding source: Commonwealth Department of Foreign Affairs and Trade, Australia-Indonesia Institute. *Developing a paramedic nurse course for Indonesia*. Lead agency: School of Nursing and Midwifery. \$19,000
- Investigators: Assoc Prof Brett Williams. Clinical supervision: The use of DVD simulations to teach effective communication to clinical supervisors Funding source: Department of Health, Victorian Government. Lead agency: DCEHPP. Total value: \$157,767
- Investigators: Dr Meredith McIntyre, Assoc Prof Brett Williams, Ruth Druva, Ingrid Brooks, Amanda Cameron, Drew Mortlock, Dr Geoff White. *Evaluation of PeeblePad as a teaching and learning resource in clinical competency development across health professional courses in the FMNHS*. Funding source: Learning and Teaching Grants, Faculty of Medicine, Nursing and Health Sciences, 2014. Lead agency: School of Nursing and Midwifery. Total value: \$80,141.
- Investigators: Gayle McLelland, Dr Helen Hall, Julia Morphet, Dr Jill Stow, Assoc Prof Brett Williams, Prof Lisa McKenna, Chantal Perera. *Using simulation, develop inter-professional learning strategies for undergraduate paramedics, midwives and nurses managing unplanned births: A pilot project*. Funding source: Learning and Teaching Grants, Faculty of Medicine, Nursing and Health Sciences, 2014. Lead agency: School of Nursing and Midwifery Total value: \$11,659.
- Investigators: Jaime Wallis, Chantal Perera, Assoc Prof Brett Williams. *Near-peer teaching in paramedic education: A before and after investigation*. Better Teaching, Better Learning Seed Grants. Lead agency: DCEHPP. Total value: \$2,000.

# Publications

## 2014 Peer Reviewed Publications

- Bath, T., Sheen, J.A., **Boyd, L.M., Jennings, P.A.**, 2014, Mixed Methods and its application in prehospital research: A systematic review, *Journal of Mixed Methods Research*, 2014,8(1): 1-18.
- **Boyle M, Williams B**, Sawyer S. The accuracy of undergraduate paramedic students in measuring blood pressure: A pilot study. *Australasian Journal of Paramedicine*. 2014;11(2).
- Brown, G.T., **Williams, B.A.**, Jolliffe, L., 2014, Leadership style preference of undergraduate occupational therapy students in Australia, *Hong Kong Journal of Occupational Therapy*, 2014, 24: 35-42.
- Cantwell, K., **Burgess, S.J.**, Patrick, I., Niggemeyer, L., Fitzgerald, M., Cameron, P., Jones, C., Pascoe, D., 2014, Improvement in the prehospital recognition of tension pneumothorax: the effect of a change to paramedic guidelines and education, *Injury-International Journal Of The Care Of The Injured [P]*, vol 45, issue 1, Elsevier Ltd, United Kingdom, pp. 71-76.
- Cantwell, K.S., **Morgans, A.E.**, Smith, K.L., Livingston, M.J., Dietze, P.M., 2014, Improving the coding and classification of ambulance data through the application of International Classification of Disease 10th revision, *Australian Health Review*, 2014, 38(1): 70-79.
- Chang Y and **Boyle M**. Comparison of anaphylaxis diagnostic criteria and management guidelines for the prehospital setting. *Australasian Journal of Paramedicine*. 2014;11(5).
- **Eastwood, K.J., Morgans, A.E.**, Smith, K.L., Stoelwinder, J.U., 2014, Secondary triage in prehospital emergency ambulance services: A systematic review, *Emergency Medicine Journal*, 2014, in press, doi:10.1136/emmermed-2013-203120.
- Fox M, Winship C, Williams W, Leaf S, **Boyd L, Williams B**. Peer-assisted teaching and learning in paramedic education: A pilot study. *International Journal of Paramedic Practice*. 2014;in press.
- Hojat M, Ward J, Spandorfer J, Arenson C, Van Winkle L, **Williams B**. The Jefferson Scale of Attitudes Toward Interprofessional Collaboration (JeffSATIC): development and multi-institution psychometric data. *Journal of Interprofessional Care*. 2014; 14:1-7.
- **Jennings, P.A.**, Cameron, P., Bernard, S.A., Walker, T., Jolley, D.J., Fitzgerald, M., Masci, K., 2014, Long-term pain prevalence and health-related quality of life outcomes for patients enrolled in a ketamine versus morphine for prehospital traumatic pain randomised controlled trial, *Emergency Medicine Journal*, 2014, in press, doi:10.1136/emmermed-2013-202862

- McKenna, L.G., **Boyle, M.J.**, Palermo, C.E., Molloy, E., **Williams, B.A.**, Brown, T., 2014, Promoting interprofessional understandings through online learning: A qualitative examination., *Nursing and Health Sciences*, 2014, 16(3):321-6.
- McKenna, L.G., Brown, T., **Boyle, M.J.**, **Williams, B.A.**, Palermo, C.E., Molloy, E.K., 2014, Listening and communication styles in nursing students, *Journal of Nursing Education and Practice*, 2014, 4(11): 50-58.
- Murcott P, **Williams B**, **Morgans A**, **Boyle M**. Community perceptions of the professional status of the paramedic discipline. *International Paramedic Practice*. 2014;4(1):13-18.
- **Nehme, Z.**, Andrew, E.P., Cameron, P., Bray, J.E., Meredith, I.T., Bernard, S.A., Smith, K.L., 2014, Direction of first bystander call for help is associated with outcome from out-of-hospital cardiac arrest, *Resuscitation*, 2014, 85(1): 42-48.
- **Nehme, Z.**, Andrews, E., Cameron, P., Bray, J.E., Bernard, S.A., Meredith, I.T., Smith, K., 2014, Population density predicts outcome from out-of-hospital cardiac arrest in Victoria, Australia, *Medical Journal Of Australia*, 2014, 200(8): 471-475.
- O'Meara, P., Munro, G., **Williams, B.**, Cooper, S., Bogossian, F., **Ross, L.**, Sparks, L., Browning, M., McCounan, M. Developing situation awareness amongst nursing and paramedicine students utilizing eye tracking technology and video debriefing techniques: a proof of concept paper. *International Emergency Nursing*, (in press)
- Oteir, A., **Jennings, P.A.**, Smith, K.L., Stoelwinder, J.U., 2014, Should suspected cervical spinal cord injuries be immobilised? A systematic review protocol, *Injury Prevention*, 2014, (20)3: 1-3.
- Oteir, A., Smith, K., **Jennings, P.**, Stoelwinder, J.U., 2014, The Prehospital Management of Suspected Spinal Cord Injury: An Update, *Prehospital and Disaster Medicine*, 2014, in press.
- Paterson J, Sofianopoulos S, **Williams B**. What paramedics think about when they think about fatigue: Contributing factors. *Emergency Medicine Australasia*. 2014;26:139-44.
- Ross L, **Boyle M**, **Williams B**, Fielder C, Veenstra R. Perceptions of student paramedic interpersonal communication competence: A cross-sectional study. *Australasian Journal of Paramedicine*. 2014;11(4).
- Ross L, Duigan T, **Boyle M**, **Williams B**. Student Paramedic Attitudes Towards the Elderly: A crosssectional study. *Australasian Journal of Paramedicine*. 2014;11(3).
- **Ross, L.J.**, **Williams, B.A.**, 2014, Paramedics developing rapport with the elderly: a pilot study, *Journal of Paramedic Practice*, 2014, 6(3): 128-136.
- **Ross, L.**, & Bertucci, J. (2014). Perspectives on the Pathway to Paramedicine Programme. *Medical Education*, 48(11), 1113-1114.
- **Ross, L.**, & Bertucci, J. (2014). Pathway to Paramedicine Program Perspectives – Part 1 Paramedic Students. *Australasian Journal of Paramedicine*, 11(6).
- **Ross, L.**, & **Williams, B.** (2014). Improving Paramedic Attitudes towards the Elderly. *The Clinical Teacher*, (in press).

- **Ross, L.**, & Bertucci, J. (2014). Pathway to Paramedicine Program Perspectives – Part 2 Secondary School Students. *Australasian Journal of Paramedicine*, (in press).
- Sawyer S, Parkekh V, Williams A, **Williams B**. Are Australian paramedics adequately trained and prepared for intimate partner violence? A pilot study. *Journal of Forensic and Legal Medicine*. 2014;28:32-5.
- Schricke, D.I., **Jennings, P.A.**, Edgar, D., Harvey, J.G., Cleland, H.J., Wood, F.M., Cameron, P.A., on behalf of the BRANZ steering committee. Scald burns in children aged 14 and younger in Australia and New Zealand – An analysis based on the Burn Registry of Australia and New Zealand (BRANZ). *Burns* (2014) 10.1016/j.burns.2014.07.027.
- Smit L and **Boyle M**. Should Systematic Antibiotic Prophylaxis be part of civilian prehospital trauma care for open or penetrating wounds? A review of the literature. *Australasian Journal of Paramedicine*. 2014;11(5).
- **Williams B**, Brown T, **Boyle M**, McKenna L, Palermo C, Etherington J. Levels of empathy in undergraduate emergency health, nursing, and midwifery students: a longitudinal study. *Adv Med Educ Pract*. 2014;5:299-306.
- **Williams B**, Brown T, McKenna L, **Boyle MJ**, Palermo C, Nestel D, et al. Empathy levels among health professional students: a cross-sectional study at two universities in Australia. *Adv Med Educ Pract*. 2014;5:107-13.
- **Williams B**, Sadasivan S, Kadirvelu A, Olausson A. Empathy levels among first year Malaysian medical students: an observational study. *Advances in Medical Education and Practice*. 2014;5:1-8.
- **Williams B**, Fielder C, Strong G, Acker J, Thompson S. Are paramedic students ready to be professional? An international comparison study. *International Emergency Nursing*. 2014;in press, doi: 10.1016/j.ienj.2014.07.004.
- **Williams B, Boyle M**, Howard S. Empathy Levels in Undergraduate Paramedic Students – A three-year longitudinal study. *International Journal of Caring Sciences*. 2014;in press.
- **Williams B**, Fowler J. Can Near-Peer Teaching Improve Academic Performance? *International Journal of Higher Education*. 2014;3(4):142-9.
- **Williams B**, Boyle M, Howard S. Attitudes of Paramedic Students towards Specific Medical Conditions: A four-year study. *Internet Journal of Allied Health Sciences and Practice*. 2014 in press.
- **Williams B**, Boyle M, Tozer-Jones J, Devenish S, Hartley P, McCall M, et al. Undergraduate paramedic students' empathy levels: A two-year longitudinal study. *Journal of Nursing Education Practice*. 2014;5(1):58-64.
- **Williams B**, Wallis J, McKenna L. How is peer-teaching perceived by first year paramedic students? A three-year review. *Journal of Nursing Education Practice*. 2014;4(11):8-15.
- **Williams B**, Perillo S, Brown T: What are the factors of organisational culture in health care settings that act as barriers to the implementation of evidence-based practice? A scoping review. *Nurse Education Today*, 2014, in press, doi: <http://dx.doi.org/10.1016/j.nedt.2014.11.012>.

- Winship C, **Boyle M, Williams B**. Out of hospital cardiac arrest management by first responders: Retrospective review of a fire fighter first responder program. *Australasian Journal of Paramedicine*. 2014;11(5).

## Book Chapter

- Bernard, S.A., **Jennings, P.A.**, 2014, Pre-hospital emergency medicine, in *Textbook of Adult Emergency Medicine*, eds Peter Cameron, George Jelinek, Anne-Maree Kelly, Anthony Brown and Mark Little, Elsevier, London, pp. 841-845.

## Conference Abstracts

- Bennett R, **Ross L, Perera C**. Clinical placements: a student paramedic's perspective. Abstracts of the Paramedics Australasia International Conference, September 2014. *Australasian Journal of Paramedicine*. 2014;11(6).
- **Boyle M, Wallis J**, editors. Working towards a definition of workplace violence actions. Proceedings of The Fourth International Conference on Violence in the Health Sector; 22-24 October 2014; Miami, United States of America. The Netherlands: Kavanah; 2014.
- **Perera C, Ross L**, Bennett R. Paramedic students' perceptions of non-clinical experiences during placements. Abstracts of the Paramedics Australasia International Conference, September 2014. *Australasian Journal of Paramedicine*. 2014;11(6).

## Peer Reviewed Conference Abstracts

- Abdullellah A, Plummer V, **Williams B**. Exploring disaster nursing core competencies and roles in Saudi Arabia. 12th Asia Pacific Conference on Disaster Medicine (12APCDM); 17th September; Tokyo, Japan, 2014.
- **Boyle M** and Smit L. Mechanism of injury in prehospital trauma triage – Why do we still use it? Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast Australia.
- Duigan T, **Ross L, Boyle M, Williams B**. Student Paramedic Attitudes towards the Elderly. Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Fowler J, **Williams B**. Can Near-Peer Teaching Improve Academic Performance? Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Hannah, J. **Ross, L. Wallis, J**. The helping profession: What motivates people to choose a career in paramedicine? Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Hardy K, **Williams B**. Near peer-teaching in paramedic education: Results from 2011-2013. Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- McClounan M, **Ross L, Boyle M, Williams B**. Defibrillation Safety: An Examination using Eye-Tracking Technology. Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.



- McClounan M, **Ross L, Boyle M, Williams B**. Defibrillation Safety: An examination using eye-tracking technology. Paper presented at the Paramedics Australasia International Conference; (PAIC): 2014, Gold Coast, Australia.
- McKenna L, **Williams B**, McIntyre M. Peer Teaching As A Strategy for Developing Clinical Teaching Skills. First International Conference on Nursing and Health Sciences; Jeddah, Kingdom of Saudi Arabia, 2014.
- Newton J, **Williams B.**, Kent F. A Realist Evaluation of Interprofessional Learning. Professional Matters: materialities and virtualities of professional learning; 25th - 27th June, University of Stirling, Scotland, 2014.
- Smit L and **Boyle M**. Are there specific prehospital triage criteria for mass casualties with chemical, biological, radiological or nuclear exposure? Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Smit L and **Boyle M**. Does wound irrigation in the prehospital environment affect infection rates? – A Review of Literature. Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Smit L and **Boyle M**. Management of ankle injuries in the prehospital environment - A review of the literature. Paper presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- **Jennings, P.A.**, Lord, B., Smith, K. Factors associated with clinically important pain reduction in children: A retrospective cohort study. Paramedics Australasia International Conference 2014 (540 Registrants) – Gold Coast, Australia September 2014.
- Perillo, S., Olausson, A., **Jennings, P**. Outcomes of patients who are not transported following EMS attendance. Paramedics Australasia International Conference 2014 (540 Registrants) – Gold Coast, Australia September 2014.
- **Ross, L**. The Pathway to Paramedicine - Student Paramedic Perspectives. Paper presented at the Australian and New Zealand Association for Health Professional Educators (ANZAHPE) Conference: 2014, Gold Coast, Australia.
- **Ross, L. Williams, B**. Student Paramedics Building Rapport through Community Engagement. Paper presented at the International Association for Medical Education (AMEE) Conference: 2014, Milan, Italy.
- **Ross, L. Williams, B**. Student paramedics developing rapport through real encounters with elderly patients. Paper presented at the networking for Education in Health Care (NET) Conference: 2014, Cambridge, England.
- **Ross L, Williams, B**. Student paramedics developing rapport through real encounters with elderly patients. Networking for Education in Health Care (NET) 2014 Conference; 2-4 September Cambridge, UK. 2014.
- **Ross L, Williams, B**. Student Paramedics Building Rapport through Community Engagement. ANZAHPE; 7-10 July; Gold Coast, QLD2014.

- Suryanto, Plummer V, **Boyle M.** EMS Systems in Low-Middle Income Countries: A Review of the Literature. Abstracts of the Paramedics Australasia International Conference, September 2014. Australasian Journal of Paramedicine. 2014;11(6).
- **Wallis J, Williams, B.** How is peer-teaching perceived by first year paramedic students? A three year review. Paramedics Australasia International Conference; 2-3 October; Gold Coast 2014.
- **Williams B.,** Levett-Jones T, Khasawneh E The Satisfaction with Simulation Experience Scale (SSES): A cross-cultural psychometric appraisal. SimHealth 2014 25-28 August; Adelaide.

## Non Refereed Publications

### Invited Journal Editorial

- **Boyle M, Wallis J, Perera C.** EMS and Ebola. Australasian Journal of Paramedicine. 2014;11(6).
- **Boyle M.** The year that was. Australasian Journal of Paramedicine. 2014;11(6).
- **Boyle M.** Twelve Months on. Australasian Journal of Paramedicine. 2014;11(4).
- **Wallis J and Boyle M.** From stretcher bearer to “Paramedic”. Australasian Journal of Paramedicine. 2014;11(3).
- **Boyle M.** Where is prehospital care heading? Australasian Journal of Paramedicine. 2014;11(2).
- **Boyle M.** Simulation in paramedic education - Is it the panacea? Australasian Journal of Paramedicine. 2014;11(2).

## Peer Reviewed Posters

- Bennett, R. **Ross, L.** Clinical placements: a student perspective. Poster presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Bertucci, J. **Ross, L.** The paramedic as educator: Student perspectives of the Pathway to Paramedicine Program. Poster presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Bertucci, J. **Ross, L.** Gaining an insight into paramedicine: secondary school student perspective of the Pathway to Paramedicine Program. Poster presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.
- Giummarra, M.J., Ioannou, L., Gibson, S.J., Ponsford, J., Cameron, P., **Jennings, P.,** & Georgiou-Karistianis, N. (2014). The relationship between compensation, recovery and chronic pain following a motor vehicle accident: A systematic review. A poster presented at the 15th World Congress on Pain (6-11 October ). Buenos Aires, Argentina.
- **Jennings, P.A.** Lord, B, Smith, K. “Factors associated with clinically important pain reduction in children: a retrospective cohort study” International Conference on Emergency Medicine 2014 (2300 Registrants) – Hong Kong June 2014.

- Lord, B. **Jennings, P.A.**, Smith, K. “The epidemiology of pain in children requiring paramedic care in the community” International Conference on Emergency Medicine 2014 (2300 Registrants) – Hong Kong June 2014.
- O’Meara, P., Simpson, P., Maguire, B., Sengstock, B., **Jennings, P.** Developing an Australian National Research Agenda. Paramedics Australasia International Conference 2014 (540 Registrants) – Gold Coast, Australia September 2014.
- **Perera C, Ross L**, Bennett R. Clinical placements: Not only clinical outcomes. Paramedics Australasia International Conference, September 2014. Gold Coast, Australia.
- **Perera, C. Ross, L.** Bennett, R. Paramedic students’ perceptions of non-clinical experiences during placements. Poster presented at the Paramedics Australasia International Conference (PAIC): 2014, Gold Coast, Australia.

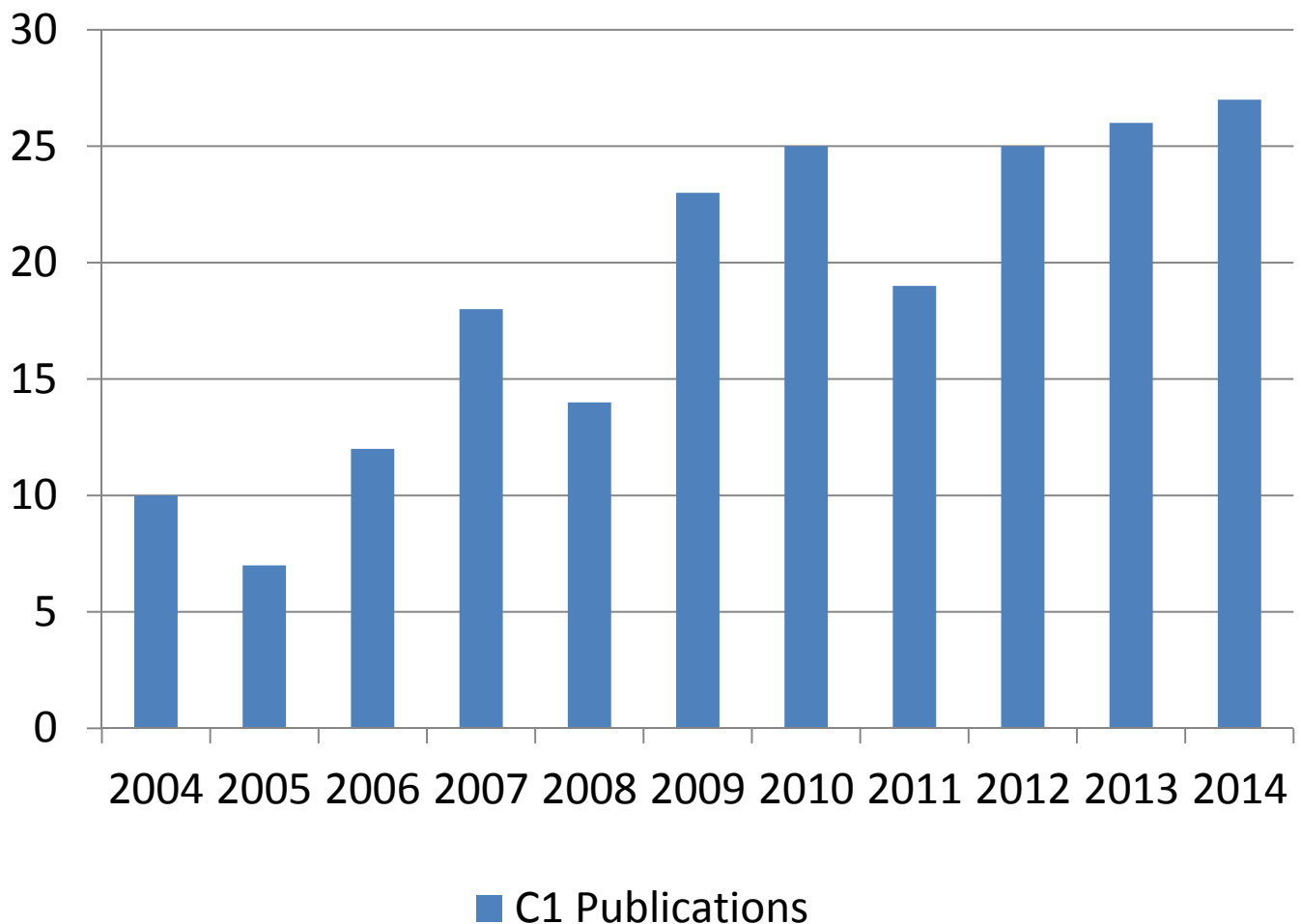
## Invited presentations

- **Ross, L.** Student Paramedics Building Rapport with the Elderly. Monash University, Office of the Pro Vice-Chancellor (Learning & Teaching), Learning Lunch Box Series: 2014, Berwick, Australia.
- **Ross, L.** Building rapport with the elderly: A new approach. Hertfordshire University, Department of Allied Health Professions and Midwifery Annual Clinical Research Forum: 2014, Hertfordshire, England.
- **Ross, L.** Psychosocial needs of older patients in the pre-hospital setting. Monash University, Department of Community Emergency Health and Paramedic Practice, Prehospital Research: Developing an agenda and fostering capacity: 2014, Melbourne, Australia.

## Awards

- **Winner, Best Undergraduate Student Paper Award, Paramedics Australasia International Conference. Gold Coast, Queensland, Australia - 2014.**  
L Smit and M Boyle. Are there specific prehospital triage criteria for mass casualties with chemical, biological, radiological or nuclear exposure?
- **Winner, Best Research Paper SimHealth, 2104 25 - 28th August: Adelaide, Australia:** Williams B., Levett-Jones T, Khasawneh E, The Satisfaction with Simulation Experience Scale (SSES): A cross-cultural psychometric appraisal.

## DCEHPP C1 Publications



# Staff 2014

## DCEHPP Staff

- Dr Mal Boyle - Senior Lecturer
- Mr Clive Butler - Equipment Officer
- Ms Janet Curtis - Lecturer
- Mr Damien Dambrosi – Lecturer
- Ms Kathryn Eastwood - Senior Lecturer
- Mr Lawrence Hudson - Clinical Placements
- Dr Paul Jennings - Senior Lecturer (Director of Research)
- Mr Peter Jurkovsky - Senior Lecturer (Undergraduate Co-ordinator)
- Ms Barbara Martin - Student Administration
- Mr Rod Mason - Lecturer (Fatima Project)
- Ms Chantel Perera - Lecturer
- Ms Linda Ross – Lecturer
- Mr Nathan Stam – Senior Lecturer (Head of Postgraduate Programs)
- Ms Joanne Tymms – P.A. to Head of Department
- Ms Jaime Wallis – Assistant Lecturer
- A/Prof Brett Williams – Head of Department

## Adjunct Staff

- Dr John Moloney – Adjunct Associate Professor
- Dr Marcus Kennedy – Adjunct Associate Professor
- Dr Leanne Boyd - Adjunct Associate Professor
- Dr Conor Deasy - Adjunct Associate Professor

## MFB Teaching Associates

- Mr Joel Luttrell – Teaching Associate
- Ms Lisa Sarris – Teaching Associate
- Dr Chris Huggins – Teaching Associate
- Mr Michael Williams – Teaching Associate
- Ms Daria West – Teaching Associate
- Ms Christine Edney - Teaching Associate

## Postgraduate Teaching Associates

- Mr Andrew Burns - Teaching Associate, Unit Coordinator
- Mr Daniel Cudini - Teaching Associate, Unit Coordinator
- Mr Bart Cresswell - Teaching Associate, Unit Coordinator
- Dr Tim Grey – Teaching Associate, Senior Lecturer
- Mr Darren Hodge - Teaching Associate, Unit Coordinator
- Mr Ben Meadley - Teaching Associate, Unit Coordinator
- Mr Toby St Clair - Teaching Associate, Unit Coordinator
- Mr Nick Roder – Teaching Associate, Unit Coordinator
- Mr Shaun Whitmore - Teaching Associate, Unit Coordinator
- Ms Karen Zaleski - Teaching Associate, Unit Coordinator

## Teaching Associates

- Chloe Abel
- Kiran Ablett
- Andrew Allan
- Jeffrey Allan
- Lyndsey Allan
- Cara Alphey
- Nikki Anderson
- Campbell Asker
- Caitlin Baile

- Amelia Bicknell
- James Black
- Nicole Brownlie
- Bruce Campbell
- Katharine Cantwell
- Nick Chapman
- Melody Chittenden
- Paul Coghlan
- Sarah Colquitt
- Benjamin Costin
- Edda Courtney
- Lisa Cresswell
- Michelle Dwyer
- Alan Eade
- Glenn Fairall
- Stephen Fairey
- Christopher Fielder
- Thomas Finneran
- Jye Fisher
- Peter Fritz
- Alan Gailey
- Wayne Gardam
- Andrew Gent
- Steven Grove
- Michael Gualano
- Cullen Hamilton
- Andrew Hart

- Matthew Humar
- Roderick Hurlbut
- Andrew Johnson
- Matthew Johnson
- Claudia Jones
- Colin Jones
- Christine Kolac
- Theodore Kossart
- Kimberley Lee-Archer
- Keryn Maher
- Fida Masri
- Brent May
- Andrew McDonell
- Yvette Mersits
- Haley McCartin
- Jessica Molhuysen
- Siobhan Mulcahy
- Steven Musgrave
- Ziad Nehme
- Ala'a Oteir
- Alexander Olausen
- Despina Papadopoulos
- Malcolm Peters
- Jamie Patterson
- Graeme Pollard
- Lisa Powell
- Verity Russo
- Ross Salathiel
- Kate Sedgwick
- Matthew Shepherd
- Gavin Smith
- Merinda Smith
- Emma Stam
- Michael Stephenson
- David Stevens
- Christopher Tang
- Jason Tosch
- Rosemarie Vary
- Sarah Wells
- Cecilia Wilmot-Griffiths
- Glenice Winter
- Amanda Wood
- Jonathan Wright

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