



THE UNIVERSITY  
of ADELAIDE



# **HONOURS, HDR & MPH 2020 RESEARCH PROJECTS**

**School of Public Health**

## About the School of Public Health

The School of Public Health at the University of Adelaide aims to prevent disease and promote health in populations. We practise public health through our engagement as a community of leading scientists, educators, and students to advance innovative ideas to change individual behaviours, public policies, and health care practices.

We are recognised locally, nationally and internationally for our teaching and research. Our senior academic staff are leaders in their fields— in areas such as child health and development, life course epidemiology, genetic epidemiology, health technology assessment, economic modelling, health impacts of climate change, indigenous health, community engagement, and the use of deliberative methods in health research. Our teaching and research inform each other in a creative and productive relationship: all our top researchers teach and our top teachers' research.

Our core academic staff work closely with colleagues in government, non-government organisations, and industry, many of whom are academic title holders within the School. Our title holders help us to ensure that our teaching, research and community engagement remain grounded in the identification, analysis, and resolution of real world problems.

This document contains a snapshot of currently available research projects suitable for students interested in undertaking supervised research within our School. As evidenced by the descriptions and requirements of each, it indicates the diversity of research topics and methodologies encompassed with Public Health, providing a wide range of potential topics for research.

Projects are listed under the four main academic fields within our School:

[Environmental and Occupational Health](#)

[Epidemiology and Biostatistics](#)

[Health Policy and Health Services](#)

[Social and Behavioural Health Sciences](#)

The Honours Coordinator for the School of Public Health is: Dr Clare Hume

[clare.hume@adelaide.edu.au](mailto:clare.hume@adelaide.edu.au)

The Postgraduate Co-ordinator for the School of Public Health is Associate Professor Jaklin Elliott.

[Jaklin.elliott@adelaide.edu.au](mailto:Jaklin.elliott@adelaide.edu.au)

We prefer to supervise projects that fit within the overall framework of our established research programs; more information on these can be found here. <https://health.adelaide.edu.au/public-health/research>

Although projects listed here target these areas, we can consider other research topics or projects, and enquiries should be directed to the persons listed above.

# Environmental and Occupational Health: climate change; ecosystem health and infectious disease epidemiology

Lead researcher: Professor Peng Bi.

<https://researchers.adelaide.edu.au/profile/peng.bi#my-research>

Email: [peng.bi@adelaide.edu.au](mailto:peng.bi@adelaide.edu.au)

## Our research

We are interested in the nexus between the environment, society and human health. With diverse backgrounds in environmental and medical epidemiology, public health, occupational health physiotherapy, infectious disease, social psychology and statistics, we employ an array of quantitative and qualitative methodologies and work closely with government and non-government stakeholders. We provide an empirical evidence base for strategic policy development and planning on public health issues and have close collaborative relationships with public health and infectious disease specialists in China. Current research projects include:

- Infectious disease in China as a consequence of climate change
- Health impacts of extreme heat and climate change in rural South Australia
- Food handling practices during hot weather

## Do Australian schools have a heatwave policy, and is there a need for a national one?

### Project description:

This project will review school hot weather policies to assess the type of guidelines in place to protect students from outdoor extreme weather events. The information gathered will be used to assess the level of consistency among school guidelines, internationally, nationally and locally, and will provide recommendations for the need of a national school policy on heatwaves

### Scope of the project (you may tick more than one)

<input checked="" type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Qualitative and quantitative research skills

### Supervisor names:

Dr Adriana Milazzo: <https://researchers.adelaide.edu.au/profile/adriana.milazzo>

Dr Alana Hansen: <https://researchers.adelaide.edu.au/index.php/profile/alana.hansen>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce)
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Environmental and Occupational Health Sciences: Adelaide Exposure Science and Health

Lead researcher: Professor Dino Pisaniello.

<https://researchers.adelaide.edu.au/profile/dino.pisaniello>

Email: [dino.pisaniello@adelaide.edu.au](mailto:dino.pisaniello@adelaide.edu.au)

## Our research

We are interested in the nexus between the environment, society and human health. We have diverse backgrounds in environmental epidemiology, public health, exposure science, and statistics and we employ an array of quantitative and qualitative methodologies, working closely with government and non-government stakeholders. We provide an empirical evidence base for strategic policy development and planning on public health issues including environmental and occupational health. We work in the assessment and control of health hazards in workplaces and environment including hazardous chemical management

Current research projects include

- Heat and work injury
- Evaluating the dermal absorption of toxic chemicals
- Risk assessment of firefighter dermal exposure to toxic chemicals
- Cytotoxic drug surface contamination
- Respirable crystalline silica exposure in engineered stone manufacturing.

## Creating a healthy visual working environment using smartphone-based technology

### Project description

We are part of the International Commission of Occupational Health – Scientific Committee on Work and Vision. This project is aligned with a program of work assessing visual tasks in the work environment, and the potential impact on health and productivity. It will explore the use of screens and other equipment in the workplace, as well as individual susceptibilities to eye health disturbance. The project will entail lab work and field work involving measurements in the occupational visual field, including luminance, and radiance for blue light hazards. Findings and recommendations will be communicated to an international audience. The multidisciplinary project would suit students with an interest in lighting, myopia, older workers, or circadian rhythm disruption and cancer risks for shift workers.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Physiology/Public Health preferred

### Supervisor name

Prof. Dino Pisaniello: <https://researchers.adelaide.edu.au/profile/dino.pisaniello>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce)
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify) Thebarton Laboratory

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Development of an analytical technique for MOCA in biological samples

### Project description:

4,4'-Methylene bis(2-chloroaniline) (MOCA) is a chemical used in manufacturing of polyurethane products. MOCA is classified as an A2, Suspected Human Carcinogen and has the potential to be absorbed through the skin. Health monitoring for MOCA is required under work health and safety laws. This project is laboratory based and will involve development of an analytical method for the detection of MOCA in biological samples. Occupational exposure to MOCA in industry is ideally assessed by biological monitoring to identify individuals with an absorbed dose.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)
<b>Other</b> <input type="checkbox"/> MClIn Sci	

### Special Requirements:

Analytical chemistry

### Supervisor name:

Dr Leigh Thredgold: <https://researchers.adelaide.edu.au/profile/leigh.thredgold>

Dr Sharyn Gaskin: <https://researchers.adelaide.edu.au/profile/sharyn.gaskin>

### Location:

- |   |  |
|---|--|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI; Other (provide details)             |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify) Thebarton |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Emergency management of chemical exposure incidents affecting public health

### Project description:

Accidental or intentional toxic chemical releases may result in significant public health and psychological consequences. Management of exposed individuals during hazardous material (HAZMAT) incidents should be risk-based and supported by suitable scientific evidence base. The most serious hazard is from exposure to gases or vapours via the respiratory system. Dermal exposure, as an important secondary route of exposure, is still a concern most acutely for the unprotected public. This project is aligned with a program of work and involves selected literature reviews, the identification of knowledge gaps and the recommendation of a framework, protocols and experimental arrangements for subsequent work for a selected range of toxic gases that may be encountered in a HAZMAT scenario involving the public.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)
<b>Other</b> <input type="checkbox"/> MClin Sci	

### Special Requirements:

Nil

### Supervisor name:

Dr Sharyn Gaskin: <https://researchers.adelaide.edu.au/profile/sharyn.gaskin>

### Location:

- |   |  |
|---|--|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI; Other (provide details)             |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify) Thebarton |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2



## Mapping contaminated land sites and reproductive health outcomes

### Project description:

Following the Clovelly Park and military base soil contamination incidents, there is increasing public concern about health effects that might arise from contaminated land and groundwater, arising from past or current industrial activities. Exposures from indoor vapour intrusion can lead to a range of adverse health outcomes. It is now evident that the highest inhalation exposures can occur when people are asleep in their homes. There is evidence of increased foetal heart malformations in selected US populations. Heart defects constitute a significant proportion of birth defects. There is no information for Australia.

The project will explore data from birth defect (and related) registries and geocoded contaminated site databases, with the potential for field work.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Public Health/Biostatistics preferred

### Supervisor name:

Dr Len Turczynowicz:

Prof Dino Pisaniello: <https://researchers.adelaide.edu.au/profile/dino.pisaniello>

### Location:

- |   |  |
|---|--|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI; Other (provide details)             |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify) Thebarton |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Evaluating risk factors for occupational disease arising from dermal exposure to organophosphorus pesticides during agricultural use.

### Project description:

Organophosphorus pesticides (OPs) are commonly used in the agricultural industry for the control of a wide variety of pests. The primary mode of action is acetylcholinesterase inhibition which causes over stimulation and subsequent prevention of nerve transmission. Whilst this makes OPs extremely effective against insects and other pests it also results in them being highly toxic for human health. There are a number of scientific papers that report on the toxicity of OPs. The primary route of exposure is via inhalation, however significantly less is known about the consequences of other potential exposure routes i.e. dermal exposure during the mixing and spraying of these pesticides in agricultural settings and the resultant risks for occupational disease. This project investigates the ability for selected OPs to penetrate human skin using donated human skin and an *in vitro* methodology. The data produced is able to be used to determine if dermal exposure to the OPs presents a significant risk for occupational diseases.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Laboratory skills

### Supervisor names:

Dr Sharyn Gaskin. <https://researchers.adelaide.edu.au/profile/sharyn.gaskin>

Dr Leigh Thredgold. <https://researchers.adelaide.edu.au/profile/leigh.thredgold>

### Location:

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|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI                                       |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify): Thebarton |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Bioaerosols in the indoor environment: Understanding and managing occupational health risks.

### Project description:

The majority of people spend most of their working time in office environments. The assessment of indoor work environments is important because it potentially involves a range of hazards such as chemicals, lighting, and indoor air quality issues. Bioaerosol contamination (such as fungi and moulds) of the indoor working environment is an increasingly common occupational health concern, yet there are limited published studies investigating typical office environments in Australia. This paucity of survey information limits the comparisons that can be made against measurements taken in workplaces that have indoor bioaerosol air quality issues. Exposure to airborne bioaerosols has the potential to exacerbate asthma, act as irritants and allergens and infrequently cause disease in susceptible individuals.

This project is part of a program of work exploring the working indoor environment and bioaerosol characterisation (identification and enumeration) and control (effectiveness of anti-microbial agents). It involves range of research approaches including field measurement, laboratory experimentation and engagement with regulatory bodies in the field of occupational health.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Nil

### Supervisor names:

Dr Sharyn Gaskin. <https://researchers.adelaide.edu.au/profile/sharyn.gaskin>

Dr Leigh Thredgold. <https://researchers.adelaide.edu.au/profile/leigh.thredgold>

### Location:

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|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI                                       |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify): Thebarton |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Are there reproductive health effects from toxic chemical exposure through the skin? A review of the evidence for the flower industry.

### Project description:

Students will participate in a number of practical activities relevant to occupational and environmental skin absorption of toxic chemicals. Lab work (optional) will involve hands on scenario-based scientific measurements of a range of industry relevant chemical exposures. Research papers and current research projects will be used to frame the learning. Scenarios and topics will be drawn from research in healthcare, defence, mining, agriculture and manufacturing industries. Students may have the opportunity to participate in field work or visits to relevant government agencies.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Nil

### Supervisor names:

Dr Sharyn Gaskin. <https://researchers.adelaide.edu.au/profile/sharyn.gaskin>

Dr Leigh Thredgold. <https://researchers.adelaide.edu.au/profile/leigh.thredgold>

### Location:

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|---|--|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI  |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify): <b>Thebarton</b> |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Environmental and Occupational Health Sciences: Occupational Health

Lead researcher: Dr Paul Rothmore.

<https://researchers.adelaide.edu.au/profile/paul.rothmore>

Email: [paul.rothmore@adelaide.edu.au](mailto:paul.rothmore@adelaide.edu.au)

## Our research

We are interested in the nexus between the environment, society and human health. We have diverse backgrounds in environmental and medical epidemiology, public health, exposure science, and statistics and we employ an array of quantitative and qualitative methodologies, working closely with government and non-government stakeholders. We provide an empirical evidence base for strategic policy development and planning on public health issues including environmental and occupational health. We work in the assessment and control of health hazards in workplaces and environment including hazardous chemical management

Current research projects include

- Heat and work injury
- Evaluating the dermal absorption of toxic chemicals
- Risk assessment of firefighter dermal exposure to toxic chemicals
- Cytotoxic drug surface contamination

**Occupational Health** research aims to explore the areas such as identifying and controlling the risks arising from physical, chemical, and other workplace hazards in order to establish and maintain a safe and healthy working environment.

## The effectiveness of a healthcare design initiative - ceiling hoists - on hazard/incident reporting and staff satisfaction in SA Health

### Project description:

This project aims to determine any differences between hazard/incident reporting trends with the n-RAH and to compare this with a control site (the Queen Elizabeth Hospital). Various initiatives have been implemented to decrease injury and improve staff satisfaction when lifting and moving patients in healthcare facilities. In the design of the nRAH overhead ceiling hoists were installed in every patient room to eliminate or minimise the need for mobile manual lifting devices.

The aims of the project are:

- To compare the staff hazard/incident reporting trends and overall satisfaction prior to, and immediately following the transfer of services from the RAH to the n-RAH
- To compare the staff hazard/incident reporting trends and overall satisfaction among staff at the Queen Elizabeth Hospital
- To compare staff hazard/incident reporting trends and overall satisfaction of staff at the n-RAH with the Queen Elizabeth Hospital (where ceiling hoists have not been installed)

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b>	<b>MPH</b>
<input type="checkbox"/> MPhil	<input type="checkbox"/> Dissertation (12 units)
<input type="checkbox"/> PhD	<input type="checkbox"/> Thesis (24 Units)
<b>Other</b>	
<input type="checkbox"/> MClIn Sci	

### Special Requirements:

Good understanding of statistical tests and the use of appropriate statistical software.  
Knowledge of literature review methodology

### Supervisor names:

Dr Paul Rothmore: <https://researchers.adelaide.edu.au/profile/paul.rothmore>

Ms Caz Saunders. SA Health. WorkFit Services Consultant, Physiotherapist

### Location:

- |   |   |
|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI                                   |
| <input type="checkbox"/> Helen Mayo Building  | <input checked="" type="checkbox"/> Other (please specify): n-RAH |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Assessing firmness compliance of infant mattresses with the Australia and New Zealand Standard

### Project description:

A simple consumer device has been recently invented to assess firmness compliance of infant mattresses with the Australia-New Zealand safety standard. This device, a world first, now requires panel testing, to assess its efficacy in the hands of typical consumers.

The project requires the student to:

1. identify a representative sampling frame for participants;
2. specify a recruitment procedure to adequately control for bias;
3. select a participant panel;
4. design and implement an experimental protocol;
5. analyse the data; and
6. formally report the findings.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<p><b>HDR</b></p> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <p><b>Other</b></p> <input type="checkbox"/> MClin Sci	<p><b>MPH</b></p> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Nil

### Supervisor names:

Dr Paul Rothmore: <https://researchers.adelaide.edu.au/profile/paul.rothmore>

Mr Ron Summers

### Location:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI; Other (provide details) |
| <input type="checkbox"/> Helen Mayo Building   | <input type="checkbox"/> Other (please specify)          |

### Research project start:

- Semester 1  
 Semester 2  
 Semester 1 and 2

# Epidemiology and Biostatistics: BetterStart

Lead researcher: Professor John Lynch

<https://researchers.adelaide.edu.au/profile/john.lynch>

<https://health.adelaide.edu.au/betterstart/>

Email: [betterstart@adelaide.edu.au](mailto:betterstart@adelaide.edu.au)

## Our research

Research conducted by the BetterStart group aims to understand how to ensure infants and children have the best start to life. Our studies focus on ways to enhance health and development throughout their life course. This interdisciplinary group consists of researchers with common interests in early childhood health and development.

The group has backgrounds in epidemiology, public health, nutrition, paediatrics, biostatistics and psychology. Collectively, the BetterStart group have expertise in observational studies, randomised controlled trials, pragmatic trials, data linkage and translational research activities in South Australia, nationally and internationally.

Members of the group also conduct methodological research in biostatistics and epidemiology.



## Did a RCT involving carers of Aboriginal children alter what children eat and drink?

### Project description

We conducted a randomised controlled trial (RCT) that aimed to reduce early childhood caries and improve children's diets. Part of the intervention involved motivating carers to provide healthier foods and drinks to children. This project involves analysing nutrition and health-related data from the trial.

### Scope of the project (you may tick more than one)

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> ✓ MPhil ✓ PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Knowledge and experience of collecting dietary data (e.g. 24-hour recalls, food frequency questionnaires), and conducting nutrition analysis using software such as FoodWorks would be advantageous. Strong quantitative analysis skills are essential and some experience with statistical software (e.g. stata) would also be beneficial.

### Supervisor names:

A/Prof Lisa Smithers: <https://researchers.adelaide.edu.au/profile/lisa.smithers>

Professor Lisa Jamieson: <https://researchers.adelaide.edu.au/profile/lisa.jamieson>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Systematic review of interventions to reduce child maltreatment

### Project description

Child maltreatment is associated with adverse outcomes for child health and development. As such, it is key to identify potential preventative interventions. This project will involve a literature review of studies evaluating interventions designed to reduce child maltreatment.

### Scope of the project (you may tick more than one)

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Desirable to have skills in critical appraisal and a familiarity with searching online bibliographic databases

### Supervisor name:

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Neonatal morbidity and child development and/or school achievement

### Project description:

Educational achievement is a strongly associated with later adult health outcomes and life chances. This project will describe patterns of neonatal morbidity (conditions experienced in the first month of life) and the association with children's development at school entry and later school achievement

### Scope of the project (you may tick more than one)

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Students will have completed epidemiological and/or biostatistics courses, as relevant to this project. Familiarity with statistical software packages such as STATA

### Supervisor name:

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2

## Child Protection policy, practice, and investment

### Project description:

The number of children being notified to child protection, and the total number of notifications to child protection has risen substantially over the past decades. This project will involve identifying what changes in policy, practice and government spend may correspond to peaks and troughs in the trends

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Familiarity with statistical software packages such as STATA and searching online bibliographic database is desirable.

### Supervisor name:

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Public housing, child development and academic achievement

### Project description:

Using data from the South Australian Early Childhood Data Project this research project will involve exploring the association between public housing early in life and health, development and academic outcomes for children.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Familiarity with statistical software packages such as STATA is desirable.

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Descriptive analyses of potentially preventable hospitalisations among children

### Project description

This project will use linked hospital data to describe specific types of potentially preventable hospitalisations (PPHs) among children, e.g. due to injury, respiratory conditions, etc. This project can be expanded to include the nature of repeated hospitalisations, and demographic characteristics of children experiencing PPHs.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Students will have completed epidemiological and/or biostatistics courses, as relevant to this project. Familiarity with statistical software packages such as STATA.

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2

## Trends in child protection contact

### Project description:

Using data from the South Australian Early Childhood Data Project this research project will involve exploring trends in child protection contacts in the last 30 years.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Familiarity with statistical software packages such as STATA is desirable.

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2

## What is insecure housing for children?

### Project description:

Using data from the South Australian Early Childhood Data Project this research project will involve defining what insecure housing is for children using public housing data.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Familiarity with statistical software packages such as STATA is desirable.

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2



## Parental time investments in children: examining trends over time

### Project description

This project will use the 1992, 1997 and 2006 Australian Time Use surveys to quantify how much time parents spend in different activities with their children, and whether this has changed over time and changed differentially by socioeconomic group.

### Scope of the project (you may tick more than one)

Summer vacation Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Students will have completed epidemiological and/or biostatistics courses, as relevant to this project.

Familiarity with statistical software packages such as STATA

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Birth spacing and child health and development outcomes

### Project description:

Using linked administrative data from the South Australian Early Childhood Data Project this research project will involve examining the association between length of time between birth of children and their health and development outcomes.

### Scope of the project (you may tick more than one)

Summer vacation Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

Students will have completed epidemiological and/or biostatistics courses, as relevant to this project.

Familiarity with statistical software packages such as STATA.

### Supervisor name

Please contact the School of Public Health: [sphadmin@adelaide.edu.au](mailto:sphadmin@adelaide.edu.au) for information regarding supervision for this project.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2

## The development of an instrument to measure nature-based play opportunities in school environments

### Project description:

There is evidence that engagement with nature is important for children's health and development; however few studies have explored opportunities for nature-based play within school environments. Existing studies have primarily focused on traditional playground designs in which equipment is static and typically constructed of man-made materials structures, but may not have considered environments that include natural elements such as water, sand or mud, trees, changing topography, wood or stone. In this project, the student will develop a novel instrument to measure opportunities for exposure to natural environments within the school playground. The project will involve field work as observations of the school playground environment will inform the development of the measurement tool.

### Scope of the project *(you may tick more than one)*

Summer vacation Scholarship (~6 units)	✓ Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> ✓ Dissertation (12 units) ✓ Thesis (24 Units)

### Special Requirements:

None.

### Supervisor name:

Dr Clare Hume: <https://researchers.adelaide.edu.au/profile/clare.hume>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- ✓ Semester 1
- ✓ Semester 2
- ✓ Semester 1 and 2

# Epidemiology and Biostatistics: Genetic Epidemiology

Lead researcher: Prof Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Email: [lyle.palmer@adelaide.edu.au](mailto:lyle.palmer@adelaide.edu.au)

## Our research

Professor Lyle Palmer leads an interdisciplinary program aimed at investigating the genetic epidemiology of common, chronic disease. In particular, we are actively investigating the genetic determinants of obesity, growth in early life and childhood, and various chronic diseases – with a current focus on obstructive sleep apnea. This team is also active in the area of precision medicine, and together with clinical and engineering collaborators is leading a program of methodological and applied research in precision radiology. Members of the group also conduct methodological research in biostatistics and epidemiology.

## Genetic epidemiology of obstructive sleep apnea

### Project description:

Investigate the genetic and/or epidemiological basis of obstructive sleep apnea using data from the Western Australian Sleep Health Study and potentially other international resources (available as part of the International Sleep Genetic Epidemiology Consortium).

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Some skills in quantitative analysis and data manipulation will be necessary. Students will have completed epidemiological and/or biostatistics courses, as relevant to this project.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Observational epidemiology of common chronic diseases

### Project description:

Investigate epidemiological hypotheses related to various common chronic diseases (e.g., cancer, cardiovascular disease, respiratory disease) using observational data from an exceptional cohort study – the Ontario Health Study (OHS). The OHS is a population-based cohort of over 200,000 adults collected in Ontario, Canada, and is the largest cohort study ever undertaken in Canada.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Some skills in quantitative analysis and data manipulation will be necessary. Students will have completed epidemiological and/or biostatistics courses, as relevant to this project.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Professor John Lynch: <https://researchers.adelaide.edu.au/profile/john.lynch>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Epidemiology and Biostatistics: Machine Learning in Medicine

Lead researcher: Prof Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Email: [lyle.palmer@adelaide.edu.au](mailto:lyle.palmer@adelaide.edu.au)

## Our research

Professor Lyle Palmer leads an interdisciplinary program aimed at using the methods of machine learning, and in particular deep learning, to solve important clinical problems. Current research projects include:

- The use of routinely collected radiologic images and linked health data to predict clinically important outcomes.
- The use of screening mammograms from BreastScreen SA to better diagnose breast cancer.
- The use of ophthalmic images to predict the progression of glaucoma.
- The use of MRI images from UK BioBank to predict key clinical outcomes.
- The use of thoracic CT images to predict key clinical outcomes.
- Fracture diagnosis from x-rays.

Other research projects outside of these areas are possible, depending upon student interest and local collaborations.

The Machine Learning in Medicine Group is part of the Australian Institute for Machine Learning at the University of Adelaide. The team seeks to apply new technologies such as deep learning to medical images in order to solve clinical challenges across various fields of medicine. Our team is multidisciplinary, and includes epidemiologists, clinicians, and computer scientists.

## Machine Learning in Medicine: Systematic review of chronic disease prediction using radiomics

### Project description:

This project will involve a literature review of studies evaluating the use of radiologic images to predict chronic disease and related characteristics. This project would be suitable for a group of students.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Students will have completed epidemiological and/or biostatistics courses, as relevant to this project.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Professor Gustavo Carneiro, School of Computer Science:  
<https://researchers.adelaide.edu.au/profile/gustavo.carneiro>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2



## Machine Learning in Medicine: Optimising the analysis of breast screen mammograms

### Project description:

This project will make use of digital mammograms and other data from Breast Screen SA. Data is available on over 300,000 women who have undertaken routine screening for breast cancer at BreastScreen SA. This project seeks to use the techniques of deep learning to develop an AI system to assist radiologists to diagnose breast cancer with higher sensitivity and specificity.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Background in data analysis and data manipulation essential. Knowledge of programming desirable.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Professor Gustavo Carneiro, School of Computer Science:  
<https://researchers.adelaide.edu.au/profile/gustavo.carneiro>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify): AIML

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Machine Learning in Medicine: Precision radiology for abdominal aortic aneurysms

### Project description:

This project will make use of CT and MRI scans of abdominal aortic aneurysms and other data from the Department of Vascular Surgery at the Royal Adelaide and Queen Elizabeth Hospitals. This project seeks to use the techniques of deep learning to develop an AI system to assist surgeons to decide when surgery would be most beneficial in patients with abdominal aortic aneurysms

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Background in data analysis and data manipulation essential. Knowledge of programming desirable.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify): AIML

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Machine Learning in Medicine: Precision medicine to improve clinical practice for glaucoma

### Project description:

Glaucoma is the leading cause of irreversible blindness worldwide. The world's largest prospective study of glaucoma progression is based at Flinders University and led by Professor Jamie Craig. Data available includes extensive longitudinal clinical phenotyping, genetic data, and serial images of the eye. This project will focus on using deep learning techniques on eye images to better predict disease progression in glaucoma.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Background in data analysis and data manipulation essential. Knowledge of programming desirable.

### Supervisor name:

Professor Lyle Palmer: <https://researchers.adelaide.edu.au/profile/lyle.palmer>

Professor Jamie Craig: <https://www.flinders.edu.au/people/jamie.craig>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify): Flinders Medical Centre.

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Health Policy and Health Services: Health Technology Assessment

Lead researcher: Professor Tracy Merlin

<https://researchers.adelaide.edu.au/index.php/profile/tracy.merlin>

Email: [tracy.merlin@adelaide.edu.au](mailto:tracy.merlin@adelaide.edu.au)

## Our research

Adelaide Health Technology Assessment (AHTA) is an applied research group with a national and international reputation in Health Technology Assessment (HTA). AHTA has undertaken \$45 million in applied/contract research since its inception, primarily for the Australian Government Department of Health, to evaluate health services, medicines and other interventions to inform health policy and public funding decisions. This includes assessing the safety, effectiveness and cost-effectiveness of medical services that are being considered for Medicare funding; and the appraisal of pharmaceuticals to determine whether they warrant funding under the Pharmaceutical Benefits Scheme.

AHTA's aim is to improve public health and contribute to an efficient and equitable health system by informing health decisions with high quality evidence.

Our research interests include:

- Evaluating the clinical and/or cost-effectiveness of different types of medical services, delivery of health services, devices, medical tests, public health programs or medicines to help policy-makers decide whether they should be made available and/or publicly funded
- Evaluating medical services or health interventions to inform health professionals and clinicians make the best choice when diagnosing or treating a patient
- Developing new methods for translating clinical evidence into policy or decision-making
- Exploring the impact of real world evidence on reimbursement decisions for health technologies

**Health Technology Assessment** offers a number of research opportunities for students at a variety of levels.

# Health Policy and Health Services: Health Workforce

Lead researcher: Professor Caroline Laurence

<https://researchers.adelaide.edu.au/index.php/profile/caroline.laurence>

Email: [caroline.laurence@adelaide.edu.au](mailto:caroline.laurence@adelaide.edu.au)

## Our research

The Health Policy and Health Services Group focuses on key issues in developing evidence-based health policy, health system planning and health care resource allocation. Projects have large scale impact and our research generates the evidence and analyses needed to determine how health services and workforces ought to be planned, and whether governments ought to allow and reimburse the use of particular health interventions. This includes evidence on interventions' comparative safety, effectiveness and cost effectiveness, and analyses of anticipated impacts and ethical implications.

We work across disciplines, with our academic backgrounds spanning public health, health economics, medicine, moral philosophy, psychology, clinical epidemiology and biostatistics, pharmacy, health sciences, geography and social sciences.

Our Unit's research covers the following areas:

- Estimating the future workforce needs in Australia
- Health workforce planning models
- Access to health services including unmet need
- Workforce policy analysis
- Career decision making
- Methodological projects concerning the development and use of evidence by policy makers and clinicians
- Health technology regulation and funding in Australia
- Evaluation of the safety, effectiveness and cost-effectiveness of health technologies and health services
- The ethics of decision-making and the allocation of resources

**Health Workforce** offers a number of research opportunities for students at a variety of levels.

## Measuring well-being of Australian communities

### Project description:

This project will explore what health and community indicators could be used to measure the well-being of an Australian community. Based on recently released Well-being in the National measurement framework, the project would involve the identification of appropriate indicators (eg health and demographic variables), determining the availability of the data for the proposed indicators and what geographic area they could be applied to (eg SA1, SA2). Students will then apply their results to provide to assess the well-being of communities.

### Scope of the project *(you may tick more than one)*

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Familiarity with excel and statistical software packages would be beneficial

### Supervisor names:

Prof Caroline Laurence. <http://researchers.adelaide.edu.au/profile/caroline.laurence>

Dr Elizabeth Hoon. <http://researchers.adelaide.edu.au/profile/elizabeth.hoon>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Exploring the relationship between health provider supply and health outcomes

### Project description:

A body of research undertaken primarily in the US has investigated the relationship between the supply of GPs and improvements in health status or health outcomes. These studies have found that, after controlling for sociodemographic measures and lifestyle factors, higher rates of GPs were associated with improved health outcomes such as all-cause mortality; mortality from heart disease, cancer or stroke; infant mortality; low birth weight; and self-reported health status. This project will assess the association between the supply of GPs and health providers and population health outcomes in the Australian setting. It will involve the identification of health outcome measures, the geographic unit of measurement and possible data sources. The relationship between supply and health outcomes will then be undertaken.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Familiarity with excel and statistical software packages would be beneficial

### Supervisor names:

Prof Caroline Laurence. <http://researchers.adelaide.edu.au/profile/caroline.laurence>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Health and people's perception of their well-being

### Project description:

Subjective wellbeing measures, such as self-rated health have been to correlate with use of health services, morbidity and mortality. Measurements related to well-being are increasingly being used by organisations such as OECD to measure regions. One of the most common measurements of self-assessed well-being is Cantril's Self-Anchoring Scale. This project will explore the relationship between well-being and other health indicators in the Australian setting and how this scale could be used to examine inequalities between regions in Australia.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Familiarity with excel and statistical software packages would be beneficial

### Supervisor names:

Prof Caroline Laurence. <http://researchers.adelaide.edu.au/profile/caroline.laurence>

Dr Elizabeth Hoon. <http://researchers.adelaide.edu.au/profile/elizabeth.hoon>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2



# Social and Behavioural Health Sciences: Counselling and Psychotherapy

Lead researcher: Associate Professor Jaklin Elliott

<https://researchers.adelaide.edu.au/profile/jaklin.elliott>

Email: [Jaklin.elliott@adelaide.edu.au](mailto:Jaklin.elliott@adelaide.edu.au)

## Our research

Our research focuses on how communities respond to health issues and participate in healthcare, with a particular emphasis on public health. We aim to ensure that the views and experiences of community members, including patients, consumers and stakeholders, are included in health research, policy and service delivery.

Our methodological expertise includes both qualitative and quantitative methods, and our researchers often use a mixture of these in the research context and in the evaluation of health services and policy.

Our researchers have extensive experience working with international, national and state governments as well as a number of different NGOs and community based organisations.

**The Communities, People and Health Research Group** is a research group within Social and Behavioural Sciences which focuses on the social context of health and community perspectives on health and wellbeing. We are particularly interested in the way culture intersects with: health behaviours, health providers, and health policy and the provision of, and access to, health services. We explore how these factors influence health outcomes for people and their communities.

**Counselling and Psychotherapy** research focuses on issues related to the health and wellbeing of the community, specifically where this provides insight for counselling practice. Current topics of research include: hope in counselling, representations of counselling in the media, multicultural counselling training, spiritual distress, support for children with parents diagnosed with PTSD, and art therapy in residential aged care.

## Ethics in the news

### Project description

The media both shapes and reflects public opinion, sometimes drawing public attention to matters that have moral or ethical significance. This is often raised in the context of an alleged breach of some ethical code, or behaviour that appears to deviate from that expected of persons in the public arena. However, the invocation of an ethical lens can also serve other interests, and some ethicists have noted a 'commodification of ethics.' Little is known however about what issues or topics are deemed to have ethical import, and how these are depicted within the media. This project involves accessing, coding, and analysing print and/or online media reports that feature 'ethics.'

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil PhD <input checked="" type="checkbox"/> MClSci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units) <b>MCP (research)</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Qualitative Research Methods in Health

### Supervisor name:

Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.elliott>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## The prevalence and modalities of expressive therapists working in aged care in Australia

### Project description:

Utilising expressive and creative therapies in aged care settings in a growing area of practice. However, there is little information regarding an established or coherent approach to practice with this client group. Additionally there is limited data available regarding the number of ANZATA /ACATA / PACFA registered arts therapists that work with this population. This research could explore which creative modality individual counsellors utilise when working with aged-care clients, together with collating information about registered therapists who work in this field.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer vacation Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 units) <b>MCP (research)</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Qualitative Research Methods in Health; Expressive Therapies: Creative Arts in Counselling

### Supervisor name:

Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.eliott>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

**Title: Development and implementation of a trauma-informed framework for mental health service providers**

**Project description:** In response to the high incidence of trauma and to improve systems and practice, the following project seeks to investigate the development and implementation of a trauma-informed framework to guide service providers who support people with mental health issues. The aim is not only to provide best care for consumers and services users but also for staff in order to provide a safe service environment. Organisational culture and service delivery is informed by trauma-informed principles to provide a safe environment and minimise re-traumatisation and vicarious trauma.

**Scope of the project** (you may tick more than one)

<input type="checkbox"/> Summer vacation Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<p><b>HDR</b></p> <p><input checked="" type="checkbox"/> MPhil</p> <p><input checked="" type="checkbox"/> PhD</p> <p><b>Other</b></p> <p><input type="checkbox"/> MClin Sci</p>	<p><b>MPH</b></p> <p><input checked="" type="checkbox"/> Dissertation (12 units)</p> <p><input type="checkbox"/> Thesis (24 units)</p> <p><b>MCP (research)</b></p> <p><input checked="" type="checkbox"/> Dissertation (12 units)</p>

**Special Requirements:**

Qualitative Research Methods in Health

**Supervisor name:**

Dr Alexandra Bloch-Atefi: <https://researchers.adelaide.edu.au/profile/alexandra.bloch-atefi>

**Location:**

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

**Research project start:**

- Semester 1
- Semester 2
- Semester 1 and 2

**Title: Literature review of counselling service provision and counselling intervention models for international students.**

**Project description:** The following project will be undertaken in partnership with the University of Adelaide College. The literature review seeks to understand current counselling and psychotherapy service provision offered to international students and to provide an overview of predominant practice models utilised with this client group. It is possible that the scope of this project may be expanded to enable a MCP research project.

**Scope of the project** (you may tick more than one)

<input checked="" type="checkbox"/> Summer vacation Scholarship (~6 units)	Honours (18 units)
<b>HDR</b>	<b>MPH</b>
<input checked="" type="checkbox"/> MPhil	<input checked="" type="checkbox"/> Dissertation (12 units)
<input type="checkbox"/> PhD	<input type="checkbox"/> Thesis (24 units)
<b>Other</b>	<b>MCP (research)</b>
<input checked="" type="checkbox"/> X MClIn Sci	<input checked="" type="checkbox"/> Dissertation (12 units)

**Special Requirements:**

Qualitative Research Methods in Health

**Supervisor name:**

Paula Gillespie-Fotheringham: <https://researchers.adelaide.edu.au/profile/paula.gillespie-fotheringham>

**Location:**

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI
- Helen Mayo Building
- Other (please specify):  
Bower Place, 132 Grenfell St.  
Adelaide SA 5000

**Research project start:**

- Semester 1
- Semester 2
- Semester 1 and 2

**Title: Understanding access to art psychotherapy provision for clients receiving and eligible for NDIS funding.**

**Project description:**

Children and adults receiving funding support via the NDIS for therapeutic supports are entitled to choose the modality of therapy they wish to access. The following project seeks to understand current access situations and barriers to access for clients interested in engaging in art psychotherapy. It is possible that the scope of this project may be expanded to enable a MCP research project.

**Scope of the project** (you may tick more than one)

<input checked="" type="checkbox"/> Summer vacation Scholarship (~6 units)	Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input checked="" type="checkbox"/> MClIn Sci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 units) <b>MCP (research)</b> <input checked="" type="checkbox"/> Dissertation (12 units)

**Special Requirements:**

Qualitative Research Methods in Health

**Supervisor name:**

Paula Gillespie-Fotheringham: <https://researchers.adelaide.edu.au/profile/paula.gillespie-fotheringham>

**Location:**

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI
- Helen Mayo Building
- Other (please specify)

**Research project start:**

- Semester 1
- Semester 2
- Semester 1 and 2

**Title: Literature review of key themes in Family Therapy and Systemic Practices relevant to the Bower Place Model**

**Project description:** The following project will be undertaken in partnership with Bower Place Complex Needs Clinic. This literature review seeks to consult relevant literature from the fields of family therapy and systemic practices to understand the development of the Bower Place Model of Family therapy. It is possible that the scope of this project may be expanded to enable a MCP research project.

**Scope of the project** (*you may tick more than one*)

<input checked="" type="checkbox"/> Summer vacation Scholarship (~6 units)	Honours (18 units)
<b>HDR</b>	<b>MPH</b>
<input checked="" type="checkbox"/> MPhil	<input checked="" type="checkbox"/> Dissertation (12 units)
<input type="checkbox"/> PhD	<input type="checkbox"/> Thesis (24 units)
<b>Other</b>	<b>MCP (research)</b>
<input checked="" type="checkbox"/> MClin Sci	<input checked="" type="checkbox"/> Dissertation (12 units)

**Special Requirements:**

Qualitative Research Methods in Health

**Supervisor name:**

Paula Gillespie-Fotheringham: <https://researchers.adelaide.edu.au/profile/paula.gillespie-fotheringham>

**Location:**

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI
- Helen Mayo Building
- Other (please specify):  
Bower Place, 132 Grenfell St.  
Adelaide SA 5000

**Research project start:**

- Semester 1
- Semester 2
- Semester 1 and 2

## Recognising disenfranchised grief and loss following partner separation to inform counselling practice

### Project description:

Following separation, the loss of relationship may be experienced as a grief response. However, numerous other losses may compound a person's experience of grief. Attig (2010) & Weiss (2008) note that the experience of loss and grief means the bereaved person's world has become profoundly different, requiring them to relearn their world. Identifying these differences, and how they might be framed as losses that might be actively grieved, may support the therapist in facilitating a more comprehensive and multilayered grief narrative for their client.

### Scope of the project (you may tick more than one)

Summer vacation Scholarship (~6 units)	Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (6 units) <b>MCP (research)</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Qualitative Research Methods in Health;

### Supervisor name:

Ann Ibrahim: 8313 4999, [Ann.Ibrahim@adelaide.edu.au](mailto:Ann.Ibrahim@adelaide.edu.au)

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2



## Multicultural competency and its integration into counselling practice – a framework for practical implications and strategies

### Project description:

In response to a growing diversity in populations across the world, this project seeks to investigate the development of multicultural competency and integration into counselling practice, thereby seeking to answer the ethical mandate of best practise. The projects aims to go beyond the minimum requirement of recognising discrimination, to work towards the enhancement of the therapeutic value for diverse client populations and provide a framework to do so.

### Scope of the project *(you may tick more than one)*

<input type="checkbox"/> Summer vacation Scholarship (~6 units)	<input type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (6 units) <b>MCP (research)</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Qualitative Research Methods in Health

### Supervisor name:

Annemarie Klingenberg: 8313 2118, [Annemarie.klingenberg@adelaide.edu.au](mailto:Annemarie.klingenberg@adelaide.edu.au)

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Social and Behavioural Health Sciences: End of Life Care

Lead researcher: Associate Professor Jaklin Elliott.

<https://researchers.adelaide.edu.au/profile/jaklin.eliott>

Email: [jaklin.eliott@adelaide.edu.au](mailto:jaklin.eliott@adelaide.edu.au)

## Our research

Our research focuses on how communities respond to health issues and participate in healthcare, with a particular emphasis on public health. We aim to ensure that the views and experiences of community members, including patients, consumers and stakeholders, are included in health research, policy and service delivery.

Our methodological expertise includes both qualitative and quantitative methods, and our researchers often use a mixture of these in the research context and in the evaluation of health services and policy.

Our researchers have extensive experience working with international, national and state governments as well as a number of different NGOs and community based organisations.

**The Communities, People and Health Research Group** is a research group within Social and Behavioural Sciences which focuses on the social context of health and community perspectives on health and wellbeing. We are particularly interested in the way culture intersects with: health behaviours, health providers, and health policy and the provision of, and access to, health services. We explore how these factors influence health outcomes for people and their communities.

**End of Life Care** research focuses on a number of areas including end of life care in vulnerable populations, the ethics and values that underpin end of life care and advance care planning, community and professional perspectives regarding end of life care, and how the health system supports people approaching the end of their life.

## Values and ethics in planning for end-of life-care for vulnerable Australian communities

### Project description:

This project is part of a larger study, funded by an NHMRC Partnership Grant APP1133407 in partnership with 10 community partners, including advocacy, clinical, government, and legal organisations. The study can be scaled according to the enrolled degree. The student will be part of a team examining how people talk about and understand the process of planning for end-of-life care, often called Advance Care Planning (ACP). The project will draw upon available data (generated during other phases of the larger study) to clarify ethical principles, values, and beliefs pertaining to what, how, when, and by whom sensitive topics (e.g. ACP) should be managed. The student will identify and analyse the ethical issues evident in policy and practice regarding ACP, particularly regarding vulnerable groups in South Australia. They could also analyse points of convergence and divergence between the ethical assumptions embedded in academic literature and policy documents relating to current legislation and clinical practice, and/or within community and healthcare professional views. Results would contribute to recommendations to enable development of recommendations for changes to policy and practice that will facilitate the provision of culturally safe, inclusive policies and practices that encompass the diverse views and values within the Australian population.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<p><b>HDR</b></p> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <input checked="" type="checkbox"/> MClSci	<p><b>MPH</b></p> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Proficiency (evidenced by appropriate grades) with ethical theory, and/or sociology, and/or critical psychology is required.

### Supervisor name:

Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.elliott>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Culturally appropriate end of life care within Aboriginal and Torres Strait Islander communities in South Australia

### Project description:

High levels of chronic disease combined with an ageing population creates an urgent need to ensure the provision of culturally appropriate end-of-life care within Aboriginal and Torres Strait Islander communities. The project will utilise inclusive engagement processes to provide insights into community values, preferences, and current practices with regard to advance care planning (ACP), identifying how policy-makers might engage appropriately with Aboriginal and Torres Strait Islander communities for ACP specifically, and sensitive policy issues, more generally..

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <input checked="" type="checkbox"/> MClSci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Honours/Masters degree (minimum 15 points research component).

### Supervisor name:

Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.elliott>  
 Professor Ian Olver.

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Representations of medicalised death and dying in the Australian media

### Project description:

Media both reflects and shape public understanding about significant issues, and is known to be a source of health information for many. It is generally agreed that death is a feared event, and that death within Australia is medicalised, such that the majority of Australians still die within a medical setting, though many profess a wish not to do so. Recent legislative debate and change (including the Victorian legalisation of medically assisted dying), and events within the medical setting, have seen a specific focus on medicalised death within Australia as well as elsewhere. This has included discussion on 'medically assisted death' and 'euthanasia' as well as deaths attributable to medical error. The student would undertake an analysis of articles referencing death in a medical setting, utilising descriptive statistics and qualitative analysis. Information about public and/or publically available perceptions of such deaths may assist in better provision of information about how most Australians die.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <input checked="" type="checkbox"/> MCLinSci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 units) <b>MCP</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Familiarity with (evidenced by appropriate grades) public health, sociology, and/or critical psychology is preferred.

### Supervisor name:

Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.eliott>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Academic, community, and clinician perspectives on preferred place of death

### Project description:

Claims that 70% of Australians wish to die in their own home yet most die in hospital can be found in the media and academic literature. The assumption is that patients' wishes on place of death are not currently supported within the healthcare system, and that this should be changed so that more patients would die in their preferred location, namely, at home. There are, however, some unquestioned assumptions about the nature of individual preferences, the role of contextual or familial factors, and issues in how data supporting these assumptions were derived and/or interpreted. The student would undertake a critical analysis of perspectives evident within one or more of the above named groups, dependent upon the size of the project (and degree within which it sits).

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input checked="" type="checkbox"/> PhD <input checked="" type="checkbox"/> MCLinSci	<b>MPH</b> <input checked="" type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 units) <b>MCP</b> <input checked="" type="checkbox"/> Dissertation (12 units)

### Special Requirements:

Proficiency (evidenced by appropriate grades) with social research, qualitative analysis, and/or critical psychology may be required.

### Supervisor name:

Contact: Associate Professor Jaklin Elliott. <https://researchers.adelaide.edu.au/profile/jaklin.elliott>  
Professor Gregory Crawford

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI; Other (provide details)
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Social and Behavioural Health Sciences: International Health

Lead researcher: Dr Afzal Mahmood.

<https://researchers.adelaide.edu.au/profile/afzal.mahmood>

Email: [afzal.mahmood@adelaide.edu.au](mailto:afzal.mahmood@adelaide.edu.au)

## Our research

Our research focuses on how communities respond to health issues and participate in healthcare, with a particular emphasis on public health. We aim to ensure that the views and experiences of community members, including patients, consumers and stakeholders, are included in health research, policy and service delivery.

Our methodological expertise includes both qualitative and quantitative methods and participatory approaches and our researchers often use a mixture of these in the research context and in the evaluation of health services and policy.

Our researchers have extensive experience working with international, national and state governments as well as a number of different NGOs and community based organisations.

**The Communities, People and Health Research Group** is a research group within Social and Behavioural Sciences which focuses on the social context of health and community perspectives on health and wellbeing. We are particularly interested in the way culture intersects with: health behaviours, health providers, and health policy and the provision of, and access to, health services. We explore how these factors influence health outcomes for people and their communities.

**International Health** focuses on practical research in countries in our region such as Indonesia, and PNG, particularly in the area of health services research, maternal and child health and quality of care.

## Improving the health outcomes for pregnant women in Kutai Kartanegara District, East Kalimantan, Indonesia

### Project description:

Health Services Intervention Research in urban and rural areas aimed at improving the health outcomes for pregnant women and comparing the outcomes before and after introducing a spectrum of changes in 8 health centres catchment areas and at three hospitals. You will learn about the health system in a developing country, safe motherhood services and quality of care as a reason to stalled decline in maternal mortality. There is also opportunity for focussing the project on social and health services factors contributing to low birth weight babies.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input checked="" type="checkbox"/> Thesis (24 Units)

### Special Requirements:

*Essential:* At least a Credit average in epidemiology and biostatistics and ability to use SPSS.

*Desirable:* prior participation in quantitative study or data collection/entry, motivated (and have time) to travel and learn in cross-cultural setting

There may be funding available for one airfare to Indonesia. Note that: The student will need his/her own funding for living and accommodation for about 3 months in Indonesia (about \$500 – \$1000 a month)

### Supervisor names:

Dr Afzal Mahmood. <https://researchers.adelaide.edu.au/profile/afzal.mahmood>

Professor Peng Bi: <https://researchers.adelaide.edu.au/profile/peng.bi#my-research>

### Location:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI                 |
| <input type="checkbox"/> Helen Mayo Building   | <input type="checkbox"/> Other (please specify) |

### Research project start:

- Semester 1 and 2



## Root cause analysis of maternal deaths & health services interventions, East Java, Indonesia

### Project description

The research focuses on factors affecting access to and quality of antenatal, intrapartum and postnatal care in regions with persistently high maternal mortality. The research, with the public sector services, University of Airlangga and Australian research partners, is based in East Kalimantan and East Java, Indonesia. Recent research in an East Kalimantan district pointed to organisational, personnel, and personal factors influencing quality. The research is now expanded to include analysis of provincial level data, and review of health care in tertiary hospitals in East Java, with planning to introduce changes and assess the impact. With eclampsia as one of the main direct causes of maternal deaths, an honours project may focus on health system response to eclampsia. Alternatively the project could be focussed at referrals, feedback and integrated care.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input checked="" type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Good knowledge of: the determinants of health; access to care; quality of care concepts; motivated to travel and learn in cross-cultural setting.

There may be funding available for one airfare to Indonesia. Note that: The student will need his/her own funding for living and accommodation for about 3 months in Indonesia (about \$500 – \$1000 a month).

### Supervisor name:

Dr Afzal Mahmood: <https://researchers.adelaide.edu.au/profile/afzal.mahmood>

### Location:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input type="checkbox"/> SAHMRI                 |
| <input type="checkbox"/> Helen Mayo Building   | <input type="checkbox"/> Other (please specify) |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Strengthening midwifery leadership and skills for improved maternal health in PNG.

### Project description

A Rotary Club of Morialta project in Papua New Guinea, in collaboration with PNG Midwifery Society, Australian College of Midwives, and researchers at the University of Adelaide and Monash University. The project is aimed at improving midwifery and midwifery leadership skills. This project may provide an honours research opportunity for an evaluation research assessing impact in terms of knowledge and skills and improved healthcare.

### Scope of the project (you may tick more than one)

<input type="checkbox"/> Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> MPhil PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Good knowledge of: the determinants of health; access to care; quality of care concepts; motivated to travel and learn in cross-cultural setting. Desirable: Knowledge of health care systems in developing country, maternal health and healthcare

### Supervisor name:

Dr Afzal Mahmood: <https://researchers.adelaide.edu.au/profile/afzal.mahmood>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- Helen Mayo Building
- SAHMRI
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

# Social and Behavioural Health Sciences: SAHMRI Health Policy Centre

Lead researcher: Professor Caroline Miller

<https://researchers.adelaide.edu.au/index.php/profile/caroline.miller>

Email: [caroline.miller@adelaide.edu.au](mailto:caroline.miller@adelaide.edu.au)

## Our research

Our research focuses on how communities respond to health issues and participate in healthcare, with a particular emphasis on public health. We aim to ensure that the views and experiences of community members, including patients, consumers and stakeholders, are included in health research, policy and service delivery.

Our methodological expertise includes both qualitative and quantitative methods, and our researchers often use a mixture of these in the research context and in the evaluation of health services and policy.

Our researchers have extensive experience working with international, national and state governments as well as a number of different NGOs and community based organisations.

**The Communities, People and Health Research Group** is a research group within Social and Behavioural Sciences which focuses on the social context of health and community perspectives on health and wellbeing. We are particularly interested in the way culture intersects with: health behaviours, health providers, and health policy and the provision of, and access to, health services. We explore how these factors influence health outcomes for people and their communities.

**The Health Policy Centre** undertakes research in obesity prevention, tobacco control, drug and alcohol, and the psychosocial impact of cancer.

## Australian media coverage of a tax on sugar-sweetened beverages

### Project description

Sugar-sweetened beverages are gaining more attention in public health due to their contribution to obesity, limited nutritional value and associated health issues. Regulatory measures, such as imposing a tax increase on soft drinks, have been implemented in other countries; however, Australia has lagged behind other countries in its implementation of initiatives to curb consumption. The media can play an important role in influencing and reflecting public opinion and political decision makers. Understanding the Australian media portrayal of SSB regulatory measures will provide insight into the formation and progression of public opinion on this important health issue. This project would involve undertaking a media-content analysis regarding coverage and views towards regulatory measures aimed at reducing the consumption of SSBs, including but not limited to taxes

### Scope of the project (you may tick more than one)

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Student skills required include:

- Literature searching, computer and database literacy, some statistical knowledge/ability and excellent written skills.
- Knowledge of qualitative methods and qualitative data analysis, involving creating suitable coding structures/frames, coding data using NVivo software, and identifying and collating qualitative data into themes
- Knowledge of and/or interest in obesity policy and sugary drinks

### Supervisor names:

Professor Caroline Miller: <https://researchers.adelaide.edu.au/profile/caroline.miller>

<https://portal.sahmriresearch.org/en/persons/caroline-miller>

Dr Kerry Ettridge: <https://portal.sahmriresearch.org/en/persons/kerry-ettridge>

### Location:

- |   |   |
|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input checked="" type="checkbox"/> SAHMRI; Other (provide details) |
| <input type="checkbox"/> Helen Mayo Building  | <input type="checkbox"/> Other (please specify)                     |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## Nutritional information on school canteen menus

### Project description

I am interested in supervising a student to investigate parents' perceptions of the healthfulness of the food provided in the school environment, and whether nutritional information is a factor in their decision-making process when giving their child a lunch order.

### Scope of the project (you may tick more than one)

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Good working knowledge of behavioural theory, survey design and statistics.

### Supervisor names:

Dr Kerry Ettridge: <https://portal.sahmriresearch.org/en/persons/kerry-ettridge>

Professor Caroline Miller: <https://researchers.adelaide.edu.au/profile/caroline.miller>  
<https://portal.sahmriresearch.org/en/persons/caroline-miller>

### Location:

- AHMS (Adelaide Health & Medical Sciences Building, North Tce);
- SAHMRI; Other (provide details)
- Helen Mayo Building
- Other (please specify)

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## The association between pre-colonoscopy anxiety and post-colonoscopy outcomes

### Project description

I am interested in supervising students with an interest in how pre-operation or pre-screening anxiety and distress may contribute to post-operative or post-screening outcomes across a number of health behaviours. The following project is focused on bowel cancer and it will include a survey of people who have recently undergone a colonoscopy, assessing (retrospectively), their pre-colonoscopy levels of anxiety and post-colonoscopy outcomes, to determine the degree of association.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClIn Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Good working knowledge of behavioural theory, survey design and statistics.

### Supervisor names:

Dr Kerry Ettridge: <https://portal.sahmriresearch.org/en/persons/kerry-ettridge>

### Location:

- |   |   |
|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input checked="" type="checkbox"/> SAHMRI; Other (provide details) |
| <input type="checkbox"/> Helen Mayo Building  | <input type="checkbox"/> Other (please specify)                     |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2

## The link between alcohol and obesity as a potential mechanism to reduce alcohol consumption among Australians

### Project description

I am interested in supervising a student to conduct a literature review on existing evidence on the link between alcohol and obesity and community awareness of the link. It will then involve analysis of an existing dataset to investigate community awareness of the link and impact on drinking behaviours.

### Scope of the project *(you may tick more than one)*

Summer Research Scholarship (~6 units)	<input checked="" type="checkbox"/> Honours (18 units)
<b>HDR</b> <input type="checkbox"/> MPhil <input type="checkbox"/> PhD <b>Other</b> <input type="checkbox"/> MClin Sci	<b>MPH</b> <input type="checkbox"/> Dissertation (12 units) <input type="checkbox"/> Thesis (24 Units)

### Special Requirements:

Good working knowledge of behavioural theory, survey design and statistics.

### Supervisor names:

Dr Jacqueline Bowden <https://portal.sahmriresearch.org/en/persons/jacqueline-bowden>

### Location:

- |   |   |
|---|---|
| <input type="checkbox"/> AHMS (Adelaide Health & Medical Sciences Building, North Tce); | <input checked="" type="checkbox"/> SAHMRI; Other (provide details) |
| <input type="checkbox"/> Helen Mayo Building  | <input type="checkbox"/> Other (please specify)                     |

### Research project start:

- Semester 1
- Semester 2
- Semester 1 and 2