



National Drug & Alcohol Research Centre

PERFORMANCE FIGURES\*

2004	2005	2006	2007	2008
19,361	20,180	21,104	22,028	22,952
9,834	10,573	11,312	12,051	12,790
23,924	24,278	24,631	24,984	25,337
17,114	17,425	17,736	18,047	18,358
29,817	29,869	29,920	29,971	30,022
18,654	18,593	18,532	18,471	18,410
13,207	13,182	13,168	13,154	13,140
13,690	13,664	13,649	13,634	13,619
14,015	13,989	13,974	13,959	13,944



The Difference is Research



National Drug and Alcohol Research Centre Annual Report 2014

Medicine National Drug and Alcohol Research Centre



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### The difference is collaboration

NDARC works with more than 100 collaborators across Australia and internationally, creating an international network of research excellence in the drug and alcohol sector. We work with universities, research centres, health services, peak bodies as well as AOD services providers to conduct relevant, high-quality research into substance use issues. One of our exciting collaborations is Thu Vuong's (pictured) PhD project comparing compulsory rehabilitation programs with methadone maintenance treatment in Vietnam.

**Collaborators pp16–17**

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*Cover: Ranira Moodley is a Research Assistant working on NDARC's Pain and Opioids IN Treatment (POINT) study, which is a national prospective cohort study looking at the use and prescribing of opioid medicines in non-cancer related pain. Ranira is a registered pharmacist and has four years of clinical experience in community pharmacy.*

*At NDARC, we conduct and disseminate high-quality research and related activities that increase the effectiveness of treatment and other intervention responses to alcohol and other drug related harm.*



### The difference is world-class innovation

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NDARC staff worked on 99 projects throughout the year covering a wide range of diverse aspects of substance use including treatment and intervention, patterns of alcohol and drug use, prevention and early intervention, comorbidity, drug policy, health economics, the criminal justice system as well as Indigenous communities and a number of international collaborations. Katrina Prior (pictured) is one of 30 students completing their PhD's on aspects of NDARC-funded projects.

**Projects pp33–52**



### The difference is research

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The year 2014 was a year of results for NDARC, with some of our largest projects presenting primary outcomes. Major milestones of the year included the 11-year follow-up of the ATOS cohort, the completion of phase one of the Parental Supply of Alcohol Study (study leaders Richard Mattick and Monika Wadolowski pictured above) as well as exciting findings by the Cannabis Cohort Research Consortium, and an evaluation of a drug and alcohol prevention program for 1,800 school children, which offers a universal program combined with targeted prevention for at-risk personality types.

**The Year in Review pp19– 32**

# About the Centre

## The Office of the Director

The Office of the Director is the operational management team of NDARC, who provides advice to the Director on the overall direction and management of the Centre. The Centre Director is responsible for the final operational decision making of the Centre. Office of the Director meetings are held weekly.

### Members:

**Professor Michael Farrell**  
Director (Meeting Chair)

**Professor Alison Ritter**  
Deputy Director

**Professor Anthony Shakeshaft**  
Deputy Director

**Ms Karen Hill**  
Centre Operations Manager

**Ms Marion Downey**  
Media and Communications Manager

**Ms Jemma Sale**  
Executive Assistant to the Director  
(Meeting Secretary)

## Strategic Advisory Committee (SAC)

The Strategic Advisory Committee is a group made up of senior research staff at NDARC (generally Professors and Associate Professors). The role of the Strategic Advisory Committee is to provide strategic advice to the Office of the Director, and to facilitate communication and collaboration between teams. The Committee currently has 15 members and meets monthly to discuss issues concerning the overall direction of NDARC and its related Centres.

### Members:

**Professor Michael Farrell** (Meeting Chair)

**Professor Alison Ritter**

**Professor Anthony Shakeshaft**

**Professor Jan Copeland**

**Professor Shane Darke**

**Professor Kate Dolan**

**Professor Louisa Degenhardt**

**Professor Richard Mattick**

**Professor Maree Teesson**

**Associate Professor Lucinda Burns**

**Associate Professor Frances**

**Kay-Lambkin**

**Associate Professor Katherine Mills**

**Associate Professor Tim Slade**

**Ms Marion Downey**

**Ms Karen Hill**

**Ms Jemma Sale** (Meeting Secretary)

## NDARC Advisory Board 2014

In 2014 the Members of the NDARC Advisory Board were:

**Mr Bob Mansfield** AO, FCPA  
Chair of NDARC Advisory Board  
Director, Investec Bank (Australia)  
Limited

**Professor Michael Farrell** MB, BCh, BAO, LRCP&SI Honours in Medicine, FRCP, FRC Psych  
Director, National Drug and Alcohol Research Centre, Faculty of Medicine, University of New South Wales

**Professor Denis Wakefield** MBBS, MD, DSc, FRACP, FRCPA  
Associate Dean (Research) & Director of Medical Research, Faculty of Medicine, University of New South Wales

**Professor Les Field** AM BSc, PhD, DSc, CChem, FRACI, FAA  
Vice-President & Deputy Vice-Chancellor (Research) & Professor of Chemistry, University of New South Wales

**Dr Don Weatherburn** BA (Hons), PhD, PSM  
FASSA Director, NSW Bureau of Crime Statistics and Research

**Professor Mel Miller** BA (Hons)  
Psychology, MAppPsych, PhD  
Director, Siggins Miller

# Chairman's Report

## Mr Bob Mansfield AO



I am proud to Chair a research centre that is ranked at the very top five of research centres on drugs and alcohol globally. The importance of having such a research centre in Australia cannot be overstated. I see it as one of my goals that we spread the message of both the key work and the remarkable achievements of the dedicated research staff to Government and the broader community over the coming year.

In the four years since I have had the honour of being the Chairman of the Advisory Board of NDARC one thing is abundantly clear to me: the challenges of drug and alcohol use and related harms are not getting any less.

There are many, many people involved in the responses to these issues – policy makers, governments and treatment providers. Yet to even begin to make a dent into the sizeable health costs as well as the economic cost to the public purse we need to know the size of the problem in Australia and worldwide, the causes of the problem and importantly what treatment responses and policy responses have the greatest chance of success. This is what our researchers and their collaborators in Australia and worldwide do every day with great success.

When NDARC decided to refresh its visual identity for the first time in 25 years it came up with a new tagline: *The Difference is Research* (used here in the Annual Report for the first time). It is a highly appropriate choice because it reflects the work of the Centre on so many levels. When our researchers and their fellow drug and alcohol research collaborators talk publicly on the issues we can be assured their comments are informed by evidence. When governments and treatment providers are called upon to make tough decisions it is research evidence not emotion or moral judgements that should guide those decisions. And finally, it reflects the centre's ties to the broader research community.

Over the past few years NDARC has played an important role in quantifying the health and quality of life impact of drug and alcohol use disorders as part of the Global Burden of Disease Project in collaboration with the University of Queensland and the University of Washington. Of the many thousands of statistics emanating from that project one truly hits home: *globally, mental and substance use disorders are the leading cause of disability in children and youth, accounting for a quarter of disability in children and young people worldwide.*

The pages of this report detail nearly a hundred different projects which NDARC's research teams are involved in aimed at quantifying and tackling these problems.

NDARC's combined efforts to make an impact on the significant health and economic burden of drug and alcohol use disorders would not be possible without the strong and essential support it gets from the Federal Government Department of Health. As we go to press in 2015 NDARC has learned that this has been extended for another year and we look forward to working through to a process for a three year period of funding next year and we will be working hard to ensure this happens. For every one dollar from Government we generate an extra three dollars from other funding sources. As a businessman I can see that is a pretty strong return on investment.

To acknowledge the challenges which lie ahead is not to ignore the fact that the Centre had had a great year. The pages of this report are a testament to that success. I would like to thank Professor Michael Farrell and all the energetic staff at NDARC for their excellent work and results during the year.

A handwritten signature in black ink that reads "R. Mansfield." The signature is written in a cursive, slightly stylized font.

**Mr Bob Mansfield AO**

Chairman, NDARC Board of Management

# Director's Report

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## Professor Michael Farrell

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NDARC has had another successful and productive year thanks to the hard work of its staff and the wide network of collaborators across the country who work closely with us. The cooperative approach is based on significant good will and strong relationships that have built up over a long period. These links are critical and help us to address key and important questions in a truly comprehensive and collaborative manner that would not be possible otherwise.

It is heartening to see the amazing range of very strong publications that have come out this year. We were very proud to see in the Web of Science Incites that UNSW and NDARC ranked third in the world for both publications and citations in the substance use field. This is a very important achievement that we are very proud of. NDARC continues to grow in strength and impact year on year.

We have made important new alliances across UNSW and the health sector in the development of a new ambitious collaboration of key researchers in behaviour and brain sciences called Mind Gardens, which comes under the Health Science Alliance. This initiative should enable us to develop a wide range of new and ambitious projects. This approach will aim to bring together basic scientists, applied scientists and clinicians to address key public health and clinical challenges in new and innovative ways.

Crystal methamphetamine is emerging as a significant issue in Australia. NDARC has undertaken a wide range of work to monitor trends and to interpret existing data to provide as accurate as possible a picture of what is evolving. It is important that we use our work to frame the discussion about responses in a manner that ensures good investment in approaches to both the treatment and prevention sector and sees that these sectors are strongly supported to meet the growing challenges facing them.

This year we have completed and also started some major projects in tobacco, alcohol and other drugs and these projects are well described in the main report and on our website.

We have moved to increasing use of new technologies as a critical component of our dissemination strategy and are also investigating the use of new technologies for both treatment and intervention.

The National Cannabis Prevention and Information Centre (NCPIC) has been supported to carry out valuable and innovative work around Cannabis prevention and treatment using a strong social media approach. There are a range of projects on treatment and prevention using new technologies being explored by the Centre for Research Excellence in Mental Health and Substance Use and further opportunities to grow the reach of social media to disseminate our work will be undertaken in the coming year.

The Drug Trends Program has extended its traditional monitoring of drug markets to monitor online marketplaces to quantify the online availability of drugs, including both traditional and emerging substances. It also aims to monitor new drugs as they emerge, as well as internet forum discussions of these drugs.

I would like to end this review by thanking all our staff including the administration team who juggle many balls to ensure we work within our very tight budgets. Also a special thanks to our advisory board and Chair of the Advisory Board Bob Mansfield AO, who gives us very valuable strategic advice based on his experience in the business and political worlds.



**Professor Michael Farrell**

Director, NDARC



# Key Research Areas

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## Drug Trends Program

Associate Professor Lucinda Burns

*Chief Investigator*



The Drug Trends Unit at NDARC, headed by Associate Professor Lucinda Burns reports on current and changing trends in the use of illicit drugs in Australia. Data for the program is constantly evolving to take new technologies into account. We draw our information from four main sources: interviews with people who use drugs; key stakeholders who are knowledgeable about current drug use patterns (e.g. law enforcement and health professionals); indicator data such as statistics on drug related deaths and injuries; and most recently information arising from new technologies such as the internet and wastewater analysis. The body of work is a collaborative venture with partners including academics, policy experts and consumer groups, and is funded by the Drug Strategy Branch of the Australian Government Department of Health. This cooperative framework ensures the work undertaken by the Unit is always cutting edge and policy relevant.

As a part of making sure the work of the Drug Trends Unit is relevant and translates to a range of audiences, we are currently working on developing an exciting new website, providing users with immediate access to current trends and issues in an easily interpretable fashion. The website will be launched in 2015.

The profile of the Drug Trends Unit has continued to be high in 2014, particularly with respect to methamphetamine use and harms. The use of crystal methamphetamine has increased and public concern heightened. As a result we have presented submissions and delivered briefings and advice to a number of taskforces including the National Ice Taskforce. Together with the Director, Associate Professor Burns has convened a specialist group within NDARC (MCG - the methamphetamine collaborative group) to discuss and undertake policy-relevant work in the area of methamphetamine use and harms.

Associate Professor Burns has also continued her work on substance use in pregnancy. Together with Dr Courtney Breen she has developed a resource for the identification, management and referral of women who are pregnant and drug dependent. On behalf of the NSW Ministry of Health they have edited clinical guidelines for the management of substance use in pregnancy. Associate Professor Burns has also been appointed to the Fetal Alcohol Spectrum Disorder Technical Network (Department of Health) with the aim of prioritising processes for addressing FASD in Australia over a three-year period. Associate Professor Burns also continues her research work with linked data. Following on from a series of previous publications, she is working with researchers from the University of Technology to assess the impact of substance use in pregnancy and early life using linked administrative data from a range of areas.

Furthermore, Associate Professor Burns' work remains grounded in a social justice framework. She has an increasing profile in the ethical assessment of research, with a focus on the use of linked administrative data. She remains Deputy Chair, Population Health Research Ethics Committee at the Cancer Institute NSW and Convenor at the Medical/Community Human Research Ethics Advisory Panel. Associate Professor Burns has also recently been appointed Chair, Quality Improvement and Negligible Risk Review Committee at the Cancer Institute NSW.

Committed to working on projects that are directly relevant to people most at risk, Associate Professor Burns and PHD student Elizabeth Whittaker have finalised an assessment of the impact of new modes of housing on residents' substance use and mental health. Together with collaborative partners including the University of Western Australia and the Social Policy Research Centre (UNSW) Associate Professor Burns was also successful in obtaining funding from the Australian Housing and Urban Research Institute to examine the nature and funding of homelessness services in Australia. She will continue her work in these areas over the coming year with a particular focus on translation projects; ensuring the work she produces has direct relevance to policy and practice.

## National Cannabis Prevention and Information Centre

Professor Jan Copeland

Director



Despite funding challenges in 2014, the National Cannabis Prevention and Information Centre (NCPIC) has continued to deliver high-quality and innovative community information, service delivery and workforce development activities. Our website has been completely redeveloped to deliver a responsive design built for longevity and flexibility and optimised for mobile platforms. We typically have 1,000-1,500 unique visitors per day with peaks above this when we have a new activity being launched. With a focus on frequent, best-practice content on Facebook, NCPIC increased our year-on-year post rate by 250% with high levels of engagement and activity. NCPIC also continued to gain traction on Twitter, undertaking a planned strategy to build followers and interaction gaining an increase of 28%. Our YouTube channel also reported a 17 fold increase in views of videos, now with over 100,000 views.

This year saw the departure of two key staff members. Our founding Communications Manager, Paul Dillon, left to concentrate on his very successful consultancy. He contributed many long hours to getting NCPIC up and running and his contribution to our success continues to be gratefully acknowledged. Many of our colleagues are well acquainted with the contribution of Dr John Howard to the drug and alcohol, along with youth mental health sectors. This year John retired from UNSW and we thank him most sincerely for his role in developing some excellent projects and resources during his time with us, and we wish him well for the future.

NCPIC has run some very innovative digital and training activities this year. One of the largest was *Joint Effort: Quit with a buddy*, an online platform for cannabis users who wish to quit and can do so with a buddy to double the impact of the intervention and engage valuable social support as an element of the intervention. This was very well received with good engagement. The intervention is now being incorporated into a smartphone application to aid quitting and will be tested in a randomised controlled trial should funding be available.

The mooted policy changes on the trialling and availability of cannabis for medicinal purposes continues to be controversial and of great interest to our consumers. As a result we have made submissions to a range of jurisdictional enquiries and prepared a review of the evidence in our bulletin series entitled *The use of cannabis for medical purposes* – one of eight NCPIC bulletins published this year. In 2015, we will have a dedicated web page of information on this important topic. Cannabis in the workplace has also been a very important topic this year with a range of innovative web-based resources from a dedicated site and developing collaborations with organisations in the transport and logistics industries.

We have also undertaken exciting original research in the development of clinical tools and interventions. These include web-based assessment tools, smartphone applications and very brief interventions in Emergency Departments for cannabis use – which has now been extended to a second site and added amphetamine type stimulants. The first phase I/II testing of cannabidiol (CBD) in the management of cannabis withdrawal in an inpatient setting has been one of the projects that we will be reporting on in mid-2015. Our small team of researchers has generated more than 16 peer-reviewed journal publications this year along with a book and a range of other publications and resources.

This year has been an extremely challenging one with rolling six-month contract extensions and marked funding reduction; as a result we have not been able to fund our consortium partners, with the exception of *Lifeline*. We are extremely grateful that the members have maintained interest in, and support for, the consortium and hope to be able to build and strengthen together into the future.

## Mortality and Morbidity: opioids and other illicit

Professor Shane Darke

Chief Investigator



In 2014 Professor Shane Darke's work on the morbidity and mortality associated with injecting drug use continued with papers published in *Addiction* and *Drug and Alcohol Dependence*. This body of work is conducted in collaboration with Professor Johan Duflou, head of the Department of Forensic Medicine and the Glebe Morgue in Sydney.

The year also saw the completion of the 11-year follow-up of the Australian Treatment Outcome Study cohort and work was published on heroin overdose, while papers on suicide and health service use were written and submitted.

Published work on mortality in 2014 included papers on sudden or unnatural deaths involving anabolic-androgenic steroids and alprazolam. Work on a new project examining the cardiovascular consequences of injecting tablet preparations commenced.

Ms Michelle Torok's work on her PhD project on childhood trauma and violent offending continued throughout 2014. Papers were published on the association of childhood physical abuse with the onset and extent of drug use amongst regular injecting drug users, and on violent offending severity among injecting drug users.

Contributing to the drug policy debate, Professors Darke and Farrell also published an invited theoretical piece for *Addiction*, entitled "Would legalising illicit opioids reduce overdose fatalities? Implications from a natural experiment" in which they addressed the policy implications for mortality of opioid legalisation.

Furthermore, Professor Darke published work focusing on psychostimulant abuse, including a paper on the diversion and misuse of pharmaceutical stimulants among illicit drug users. A paper was also published on the association of cocaine use amongst recreational users, examining systolic blood pressure, aortic stiffness and left ventricular mass.

Professor Darke's heroin research over the past 25 years has made him sought after for media commentary, particularly in the wake of high-profile deaths from heroin overdose. Professor Darke gave many interviews following Hollywood actor Philip Seymour Hoffman's death from a heroin overdose in February 2014. In media interviews Professor Darke addressed commonly held assumptions around heroin use – including that Hoffman was representative of a large number of "highly functioning" recreational users: a myth not supported by the data; and that overdose is most often the result of impurities or a bad batch when in fact, as turned out to be the case with Hoffman, the most common scenario is polydrug toxicity. These 'myths' were further discussed in an editorial in *Addiction* and later in the year on the ABC's *7:30 Report* following the publication of the ATOS 11-year follow-up paper.

Prof Darke also continued his work with Dr Joanne Ross on the development of a suicide assessment kit for drug and alcohol treatment services to help them manage the high risk of suicide among clients. The kit, which for the first time provides a consistent framework and policy for use in services, will be available next year.

As part of NDARC's ongoing commitment to providing professional development opportunities for staff, Professor Darke continued to co-ordinate the NDARC seminar series, a key part of the Centre's academic life. He also continued to chair the NDARC Library Committee, which oversees the running and purchases on the NDARC Library, a specialist drug and alcohol archive for Centre staff.

## Epidemiology: pharmaceutical opioids; global health; mental health; prisons

Professor Louisa Degenhardt

*NHMRC Principal Research Fellow*



This year, our team conducted diverse epidemiological studies including analysis of large-scale community and clinical population surveys, data linkage studies and cohort studies. Our work focused on documenting what is and is not known about the epidemiology and health effects of illicit drugs, and has shaped discourse at a global level. We have worked towards developing a global network of colleagues in universities, international NGOs, and the United Nations (WHO, UNAIDS, UNODC).

The Centre of Research Excellence in Mental Health Systems Improvement (CREMSI) was funded in 2012 by the National Health and Medical Research Council and is led by the University of Queensland. The overarching goal of the CRE is to design a model mental health service system for Australia that would optimally reduce the burden of mental disorders, and to provide a detailed analysis of how the model differs from the existing service system.

A major national and international collaboration, the Global Burden of Disease (GBD) project provides comprehensive and comparable data on mortality and loss of health due to diseases, injuries and risk factors for all regions of the world. Our role in the GBD study has been to calculate the levels of disease, injury and death associated with illicit drug use and dependence. This has been undertaken in collaboration with the University of Queensland under the organising structure of the 'Global Burden of Disease: Mental Disorders and Illicit Drug Use Expert Group'. The GBD 2010 study is now complete, and we are part of the Core Analytic team for GBD 2.0. Papers on the findings of GBD 2010 and the new GBD 2013 continue to be published in leading journals worldwide.

The Pharmaceutical Opioids IN Treatment (POINT) study is a national prospective cohort that aims to follow 1,500 chronic pain patients prescribed pharmaceutical opioids over a 24-month period. It is the first large-scale Australian prospective cohort study to rigorously examine opioid analgesic prescribing patterns amongst chronic pain patients at a population level, and their relationship to important health outcomes and to mortality. The baseline cohort description was recently published in the leading journal *Pain* with a commentary from a leading international clinician researcher in the pain field, Jane Ballantyne, who lauded the POINT study design and large sample size.

Using data linkage, another project, POPPY, seeks to examine in detail the patterns and costs of Pharmaceutical Benefits Scheme-subsidised opioid use, including extra-medical use, in the Australian population. We have received full ethics approval for this study and the first data feed arrived in August 2014. The POPPY research programme protocol was published in *BMJ OPEN*, accepted December 2014.

Following concerns regarding the extra-medical use of pharmaceutical opioids, an "abuse-deterrent" (or "tamper-resistant") formulation of OxyContin® tablets was introduced onto the Australian market in April 2014. The National Opioid Medications Abuse Deterrence (NOMAD) study was established to examine the level of extra-medical use of oxycodone in Australia and how it compares to extra-medical use of other opioids. Early findings have indicated that there has been a decline in national pharmacy sales of 80mg OxyContin® (the dose most commonly used and injected among people who inject drugs) since the introduction of the reformulation.

Prisoners are a marginalised group placing considerable costs on society. They experience very high rates of drug dependence, health problems and premature mortality. Without intervention they are highly likely to come into further health risk. Our data linkage study examining the impact of opioid substitution therapy upon mortality and recidivism among prisoners has been examining two important outcomes for opioid dependent prisoners: mortality, particularly in the post-release period; and subsequent criminal activity. Postdoctoral researchers Dr Natasa Gisev and Dr Sarah Larney are also conducting a number of important research projects evaluating the health and economic benefits of opioid substitution therapy within prisons.

## Prisons, HIV and International Health

Professor Kate Dolan

*Chief Investigator*



The year 2014 saw the completion of several important projects in the areas of opioid dependence and drugs in prisons as well as our international work, most notably a review of HIV and AIDS in prisons around the world.

PhD student Zahra Alam Mehrjerdi worked with me to produce *The Information Kit: Medication-Assisted Treatment of Opioid Dependence*. It comprised two booklets; *A Review of the Evidence* and *Questions and Answers*. Although methadone and other opioid replacements have been used for decades and studied extensively, there remains uncertainty of their role in the treatment of opioid dependence. We produced the Kit for the Australian National Council on Drugs.

Sarah Larney, Natasha Sindicich, Deborah Zador from Justice Health and I carried out a qualitative study of patients' motivations, perceptions and experience of opioid substitution therapy in prison. This study attempted to understand why some patients are keen to leave treatment or not enter it in the first place.

With colleagues at St Vincent's Hospital (Dr Nadine Ezard) and Sydney University (Carolyn Day), Lucinda Burns, Eileen Baldry and I carried out a feasibility study of introducing a Managed Alcohol Program in Sydney. There is a wide level of support for this type of service and estimates show that it will most likely be cost effective. I received a Winston Churchill Fellowship to study Managed Alcohol Programs abroad, which I will commence in 2015.

We also received funding to conduct a study of hospital patients and examine the barriers to cease smoking. This work is being carried out at St. Vincent's Hospital.

I continued working with colleagues at UNSW on our study of Hepatitis C incidence in prison. We have worked together on this project for ten years and recorded how incidence has changed over time. A number of students were involved over the years. A section on mental health was recently included in this study and we are currently writing up the results.

I collaborated with colleagues in the US to develop a study of the Rikers Island Jail methadone program. We plan to examine post release outcomes for inmates released on methadone in New York and New South Wales.

My team in Iran, Babak Moazen Atefeh Noor, Shadi Rahimzadeh, Farshad Farzadfar, and I completed a two-year review of HIV prevalence and incidence, AIDS related mortality and HIV interventions among prisoners in all countries. This work has led to an invitation to co-edit several papers next year.

I recently assisted colleagues at UNSW's School of Public Health and Community Medicine on a project to estimate the size of key populations at risk of HIV and other STIs in Timor-Leste. The results will be used for policy development in that country.

Another plan underway is to carry out a large-scale capacity building project in three Asian countries where closed settings operate as the main form of drug treatment. People who use or inject drugs are detained in closed settings often without any judicial framework, are subjected to inhumane conditions, and receive no treatment for their drug use. This project brings a number of key Australian researchers together along with international organisations.

## Longitudinal family cohorts and RCTs: alcohol, smoking, and illicit drugs

Professor Richard Mattick

*NHMRC Principal Research Fellow*



2014 was a year for realisation of outcomes for a range of our projects, successfully drawing data together in three areas, and working with our national and international collaborators.

The NHMRC-funded pregnancy cohort of 1,600 mothers, partners and children (*Bumps, Babies, and Beyond* – the Triple B Study), overseen by Dr Delyse Hutchinson with Dr Judy Wilson, is in its fourth year. Working with our partners – Universities of Queensland, Deakin, Sydney, Curtin, and Murdoch Children's Research Institute (MCRI) – the assessment of the impacts on child well-being from exposures to alcohol, tobacco, illicit drugs, has been completed and data is now being entered and analysed by four doctoral candidates: Ms Clare McCormack focused on alcohol and neonatal and infant cognition, Ms Larissa Rossen assessing maternal bonding and child outcomes, Ms Hannah Fiedler studying maternal and child sleep, and Ms Ingrid Honan assessing the Bayley Scales of Infant Development normative data, and all are well on track.

Our national study (with Universities of Newcastle, Queensland, Tasmania and Curtin) *Australian Parental Supply Alcohol Study* (APSALS), saw Dr Monika Wadolowski complete her doctorate using data from this five-year study of families, and successfully publishing data, continuing onto a post-doctoral academic position at UNSW. The risks associated with parental and non-parental supply are both obvious and surprising, with children supplied alcohol by their parents, often with the best of intention, at significantly higher risk of risky drinking. We are continuing the cohort of almost 2,000 families with further competitive funding from Australian Rotary Health, with our original team and new post-doctoral researchers into 2016-2017.

Dr Edmund Silins completed another year of his *Cannabis Cohort Research Consortium* (CCRC) post-doctoral position, initially funded by ARACY with Dr Hutchinson, and then with funding from NHMRC Project Grants for work on early life use of cannabis and adult sequelae using data in partnership with four Australasian cohorts (from Universities of Otago, Melbourne, Queensland, Deakin, and MCRI) providing data on many thousands of now young adults. The work has been internationally recognised for its impacts and its ability to show the associations between early drug use and poor adult achievements. Additionally, 2014 saw the extension of that work to address the impacts of early exposures to alcohol on adult sequelae, and Dr Silins will be working into 2015 on that project.

Finally, our interest in tobacco has seen the four year large-scale RCT of intervention funded by the NHMRC (with UK and US partners, Victoria Cancer Council, UNEWC, UQ), coordinated by Dr Ryan Courtney, with over 1,000 low-SES smokers having completed recruitment. Finalisation of the follow-up in 2015 brings the opportunity to better understand the factors that are associated with low-socioeconomic factors. This study of a *Financial Intervention for Smoking Cessation among Low-income Smokers* (FISCALS) is unique internationally, and has provided a platform to more broadly study SES and smoking with the team (Mr Philip Clare, Ms Jaimi Iredale and Ms Veronica Boland – who joins us anew in 2015 as a PhD candidate on further studies of low-SES and smoking). Additionally, in 2015, Dr Ryan Courtney will take on a newly awarded NSW Cancer Institute Fellowship to continue his research in this area.

Dr Janette Smith, who successfully completed her UNSW VC-Fellowship on alcohol use and cognition in young adults, has now published exciting new work on the associations between alcohol exposure in late adolescence and cognitive functioning, funded in 2014 by a three-year ARH Post-Doctoral fellowship.

We intend to further pursue these research streams in 2015. We are pursuing multiple leads for further work on smoking, and on new methods for cessation. Our other priority is to conduct further work on parental supply of alcohol.

## Drug Policy Modelling Program (DPMP)

Professor Alison Ritter

*NHMRC Senior Research Fellow*



Consistent with DPMP goals, throughout the year, we have sought to inform and influence Australian decision-makers through the dissemination of our research findings in both academic and policy circles, presentations to government, submissions to government inquiries, private briefings to ministers and their staff, and through consultancy research – providing expert, independent and non-partisan analysis of the issues.

DPMP has focussed much of its attention in 2014 on alcohol and other drug (AOD) treatment systems research. The review of Commonwealth funding for alcohol and other drug treatment (Alison Ritter, Jenny Chalmers, Lynda Berends, Phil Hull and Maria Gomez) was completed in mid-2014. This project entailed comprehensive analyses of the funding for AOD treatment in Australia, the models of purchasing, approaches to planning and contract management. Ten working papers were produced over the course of the project. The final report was submitted to the Commonwealth in July 2014.

In other treatment research, the NHMRC funded model of heroin careers (Phuong Hoang, Marian Shanahan, Jenny Seddon with collaborators from the University of Wollongong), tracking the transitions in and out of treatment to ascertain the net social benefit of heroin treatment is well underway. Thu Vuong's economic evaluation comparing Vietnam's compulsory treatment centres with the methadone programs available in Vietnam has concluded data collection.

Our research program in drug law enforcement has continued throughout 2014. Dr Caitlin Hughes has led a project examining trafficking in multiple commodities, with the final report submitted to the funders (NDLERF) in November. As well, her work on drug trafficking thresholds has led to law reform in the ACT. Better understanding the complex factors associated with criminal networks, drug markets and high level trafficking will continue with a new PhD student, Matt O'Reilly commencing this year. We were also fortunate to be joined by Dr Vendula Belackova from the Department of Addictology, Charles University in Prague on a prestigious Endeavour fellowship. She is comparing the Australian cannabis market with those of the Czech Republic and The United States.

2014 also saw the commencement of Dr Monica Barratt's NHMRC Early Career Fellowship with DPMP. Her work examines the challenges and opportunities of internet technologies for understanding trends in new psychoactive substance use and harms, using advanced epidemiological techniques, digital mixed-methods methodologies, and participatory engagement.

Dr Michael Livingston continues to explore the relationship between alcohol and socio-economic status: overall alcohol consumption is generally higher among more advantaged sub-groups, but the rates of harm are often higher for disadvantaged Australians. We are also interested in better understanding trends in declining alcohol consumption among young people.

Any endeavour to inform and influence drug policy requires analysis of policy processes. Kari Lancaster's PhD uses the social construction paradigm to better understand policy processes. She is exploring the extent to which the construction and representation of drug policy problems affects the choice of and privilege given to different types of knowledge and voices in drug policy processes.

Along with more than 30 conference presentations from the DPMP team in 2014, Professor Alison Ritter was selected to give the 2014 James Rankin Oration, an honour given to someone who has made a significant, longstanding contribution to research, practice, and/or policy in Australasian alcohol and drugs.

We were delighted to honour Professor Robin Room this year with a Festschrift. The Festschrift included a special section in *Drug and Alcohol Review*, and a Book of Letters. The Festschrift was planned and convened by Alison Ritter along with Kerstin Stenius and Margaret Hamilton.

## Community interventions: high risk young people and Indigenous communities

Professor Anthony Shakeshaft

*Chief Investigator*



This year saw my team successfully increasing our involvement in three broad areas of intervention research.

First, working with very high-risk young people, whose needs are complex and multifaceted, to try to prevent them from sliding into juvenile or adult detention, and the poor substance use and health outcomes that are almost inevitably associated with incarceration. Doctoral student Ms Alice Knight has taken the research lead in this challenging area, in partnership with a community-based NGO and the support of forensic Masters student Ms Megan Semczuk, and is demonstrating the feasibility of combining intervention research, routine service provision and the strict requirements for Doctoral level research.

Second, working with Indigenous communities and our research partners in New South Wales and Queensland to evaluate the impact of a range of different types of interventions, including the regulatory approach of alcohol management plans in Far North Queensland, mentoring of high school students who are most vulnerable to suicide risk, and the bottom-up approach of partnering with Indigenous communities to develop, implement and evaluate their own strategies designed to minimise the deleterious impact of drug and alcohol harms on their communities. A number of Doctoral students are taking up the challenge of this community-based research, including Mieke Snijder, Alice Munro and Ansari Abudeen.

Third, working with services to try to improve patient outcomes by more effectively combining clinical skills with research skills. Key research being led by my team here at NDARC includes Catherine Foley's PhD research that aims to understand the key mechanisms that promote successful integration of drug and alcohol services with mental health services for patients who struggle with both these issues. The need for more cost-effective care for co-morbid patients is well understood, but the process of delivering integrated care in practice has been poorly researched. Another key project, led by Bianca Calabria, has demonstrated a successful process of adapting an evidence-based intervention from the US (called the Community Reinforcement Approach), ensuring it is acceptable to service providers and patients in Australia, ensuring it is highly accessible to Indigenous Australians, and measuring its impact. In 2014, NDARC also commenced clinical services research with our research partners to better understand the critical factors that are associated with good alcohol treatment outcomes and to undertake an RCT to test a systems level intervention to try to reduce smoking rates among patients of drug and alcohol clinical settings.

We hope to further develop critical research streams in 2015 across a range of related intervention research projects. High on our priority list is to document the current evidence base for community-based approaches to reducing alcohol harm, and actively engaging communities in further research, especially in rural and remote Australia given their unique vulnerabilities to substance harms such as alcohol, ice and over-prescribing of pharmaceuticals, and their more limited capacity (relative to cities) to respond to those challenges. We are also determined to bring together a group of individuals within NDARC who have a strong interest in intervention efforts that engage with the most disadvantaged Australians, including researchers working with low-SES smokers who are most resistant to quitting; Indigenous Australians who have been disproportionately and negatively impacted by their relatively recent history of dispossession and racism; prisoners; highly vulnerable young people and those who are homeless. Finally, we will be looking to increase our partnerships with clinical services, to try to build more effective researcher/clinician partnerships with a clear goal of not only improving patient and economic outcomes, but clearly demonstrating the nature and extent of those improvements.

## The Centre of Research Excellence in Mental Health and Substance Use

Professor Maree Teesson

*NHMRC Senior Research Fellow*



The Centre of Research Excellence in Mental Health and Substance Use (CREMS) had an outstanding year in 2014 as it worked towards breaking down the single disorder silos, generating significant new research, ensuring the effective transfer of research knowledge and mentoring future research leaders in this area of significant need. While comorbidity between mental and substance use disorders is pervasive and presents a significant clinical challenge, the Centre is establishing itself as a major national and international game changer.

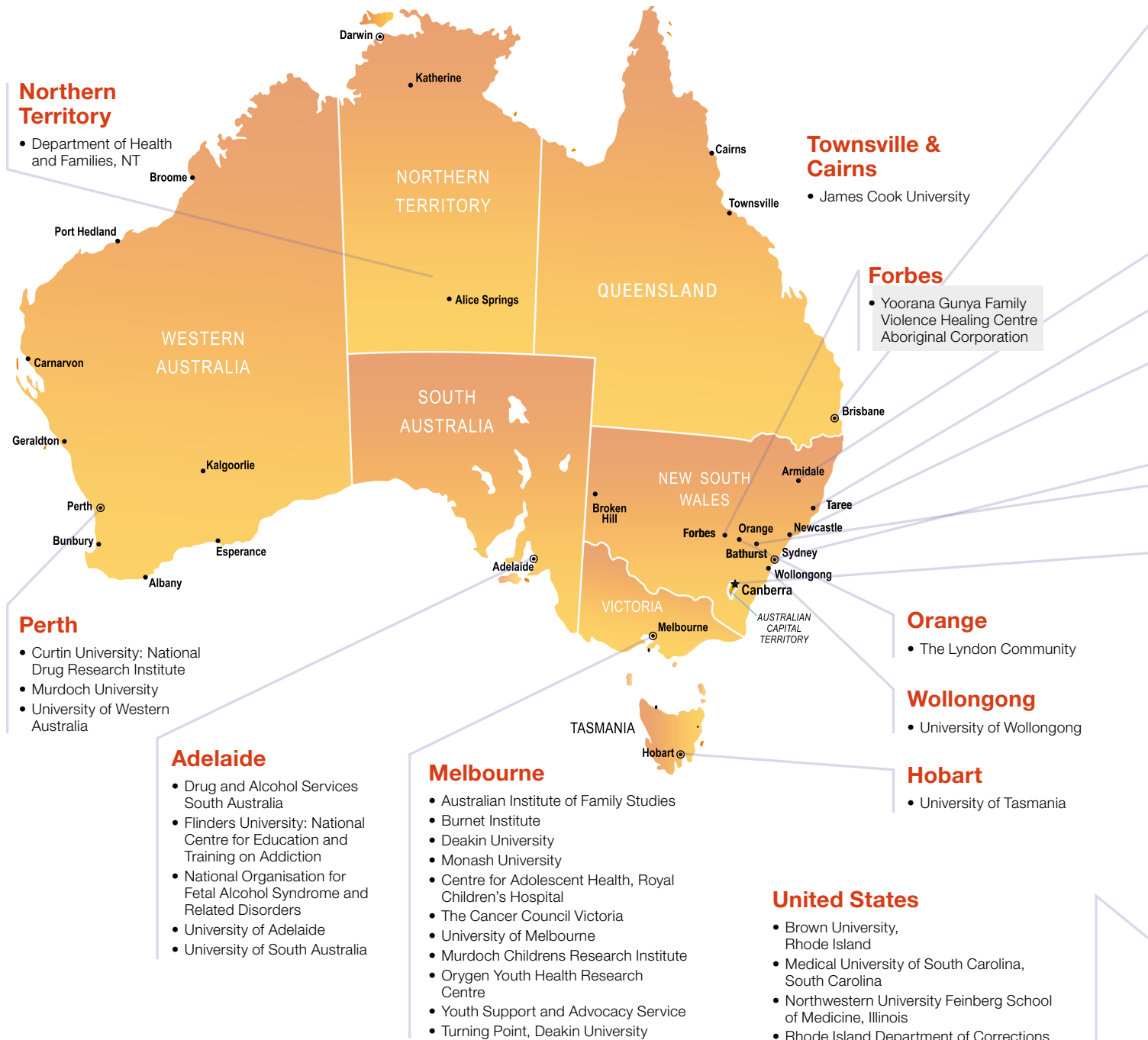
Funded by the Australian National Health and Medical Research Council, the Centre aims to generate innovative new research to increase the knowledge base regarding the effective prevention and treatment of mental health, substance use and their comorbidity. Led by Professor Maree Teesson and Associate Professor Katherine Mills (Program Director), CREMS represents a world first, bringing together the largest concentration of nationally and internationally recognised comorbidity researchers. Specifically, CREMS brings together leading research academics, including Professor Amanda Baker (Co-Director, University of Newcastle), Associate Professor Frances Kay-Lambkin (NDARC), Professor Paul Haber (University of Sydney), Associate Professor Andrew Baillie (Macquarie University), Professor Helen Christensen (UNSW), Professor Max Birchwood (University of Birmingham, UK), Professor Bonnie Spring (Northwestern University Medical School, USA) and Professor Kathleen Brady (Medical University of South Carolina, USA).

In 2014, CREMS had over 70 staff and affiliated members, including 12 PhD students. No less than 29 significant research projects were underway in the areas of prevention (led by Dr Nicola Newton), treatment (led by Associate Professor Katherine Mills), epidemiology (led by Associate Professor Tim Slade) and translation (led by Associate Professor Kay-Lambkin). The research highlights of these areas are contained in the year in review sections for each of these staff. Overall, more than 80 peer-reviewed papers were published, including several systematic reviews. Our annual conference was held in Perth, and major workshops and webinars were held in conjunction with other conferences throughout the year. Another major avenue of dissemination was our website and social media with over 30,000 page views, close to 500 Twitter followers, and over 100 followers on Facebook.

Impressively, staff of CREMS were the recipients of over 14 major national and international awards reflecting their outstanding innovation and impact. Mentoring of the next generation of researchers is critical to the mission of CREMS so Professor Maree Teesson's award of an Australian Eureka Prize for Outstanding Mentor of Young Researchers was a highlight of 2014. This gala event, "the Oscars" of Australian Science, was attended by over 700 of Australia's leading scientists. It was a very proud moment to see our research highlighted on such an illustrious stage. Professor Teesson was also successful in her application to the NHMRC for promotion to Principal Research Fellow, effective from 2015.

CREMS continues to grow due to the passion and dedication of the staff. We have been invited to form collaborative links with the major mental health research teams across nearly every state in Australia. Our international links are also strengthening with major new projects across the UK and the USA.

# NDARC Collaborators



## THE DIFFERENCE IS COLLABORATION

With more than 80 collaborators across Australia, NDARC has a strong network of leading research and service organisations in the drug and alcohol sector. We work with universities, research centres, health services, peak bodies as well as AOD services providers to conduct relevant, high-quality research into substance use issues.



### Brisbane

- Australian Pain Management Association
- Griffith University
- Queensland University of Technology  
The Professor Tess Cramond Multidisciplinary Pain Centre, Royal Brisbane and Women's Hospital
- University of Queensland:  
Centre for Clinical Research  
Queensland Brain Institute  
Centre for Youth Substance Abuse Research  
Queensland Alcohol and Drug Research and Education Centre  
Queensland Centre for Mental Health Research

### Armidale

- University of New England

### Taree

- Albert Street Medical Centre

### Newcastle

- Hunter Medical Research Institute
- Hunter Institute of Mental Health
- NSW Health: Drug and Alcohol Clinical Services, Hunter New England Area Health District
- Centre for Youth Substance Abuse Research
- University of Newcastle

### Bathurst

- Charles Sturt University

### Canberra

- ACT Health Directorate
- Alcohol and other Drugs Council of Australia
- Australian Institute of Criminology
- Australian Institute of Health and Welfare
- Australian National Council on Drugs
- Lifeline
- National Drug Law Enforcement Research Fund
- Social Research and Evaluation
- Alcohol Tobacco and Other Drug Association ACT
- Australian Injecting & Illicit Drug Users League
- Australian National University
- Foundation for Alcohol Research and Education
- National Health and Medical Research Council

## INFORMING EVIDENCE-BASED DRUG POLICY IN VIETNAM

In 2012, Thu Vuong joined NDARC to commence her PhD project comparing the cost-effectiveness of centre-based compulsory drug rehabilitation with community-based methadone maintenance treatment in her home country of Vietnam. The research is conducted in collaboration with Hanoi Medical University and the not-for-profit organisation FHI360 Vietnam, as well as the University of Adelaide.

Thu's research will provide evidence of the cost-effectiveness of the two dominant drug dependence treatment approaches to the Vietnamese government to allow evidence-informed decision making in drug treatment and resource allocation.



### Sydney

- Drug and Alcohol Multicultural Education Centre
- ACON (AIDS Council of NSW)
- Mission Australia
- Network of Alcohol & Other Drugs Agencies
- NSW Police
- Odyssey House
- We Help Ourselves
- Avenue Road Medical Practice, Sydney
- Macquarie University, Sydney
- NSW Bureau of Crime Statistics and Research, Sydney
- NSW Health:  
St Vincent's Hospital alcohol & drug service, St Vincent's Health Network  
Department of Forensic Medicine, Sydney Local Health District  
Drug and Alcohol Clinical Services, Northern Sydney Area Health District  
Justice Health  
Royal Prince Alfred Hospital, Sydney Local Health District  
South Western Sydney Local Health District  
St Vincent's Hospital pain clinic, St Vincent's Health Network

- The Langton Centre, South Eastern Sydney Local Health District
- Traumatic Stress Clinic, Westmead Hospital, Western Sydney Local Health District
- Pain Australia
- Pharmacy Guild of Australia (NSW branch)
- The Australian Paediatric Surveillance Unit, The Children's Hospital at Westmead/ University of Sydney
- University of New South Wales:  
Faculty of Law;  
Faculty of Medicine – Kirby Institute,  
School of Public Health and Community Medicine, The Blackdog Institute;  
Faculty of Science – School of Psychology;  
School of Mathematics and Statistics
- University of Sydney
- University of Technology, Sydney: Centre for Health Economics and Research Evaluation
- University of Western Sydney
- CRUFAD

### United Kingdom

- University of Bristol, England
- London School of Hygiene and Tropical Medicine, England
- King's College London, England
- Queens University Belfast, Northern Ireland
- Middlesex University, England
- University of Birmingham, England
- University College London, England
- University of Dundee, Scotland
- Institute for Criminal Policy Research, University of London, England

### Asia

- Yunnan Institute for Drug Abuse, Kunming
- Youth Vision, Bhaktapur
- FHI 360, Hanoi
- Hanoi Medical School, Hanoi
- WHO Western Pacific, Manila
- UNODC Southeast Asia & the Pacific, Bangkok

### New Zealand

- University of Otago, Dunedin

### Canada

- University of Montreal, Quebec

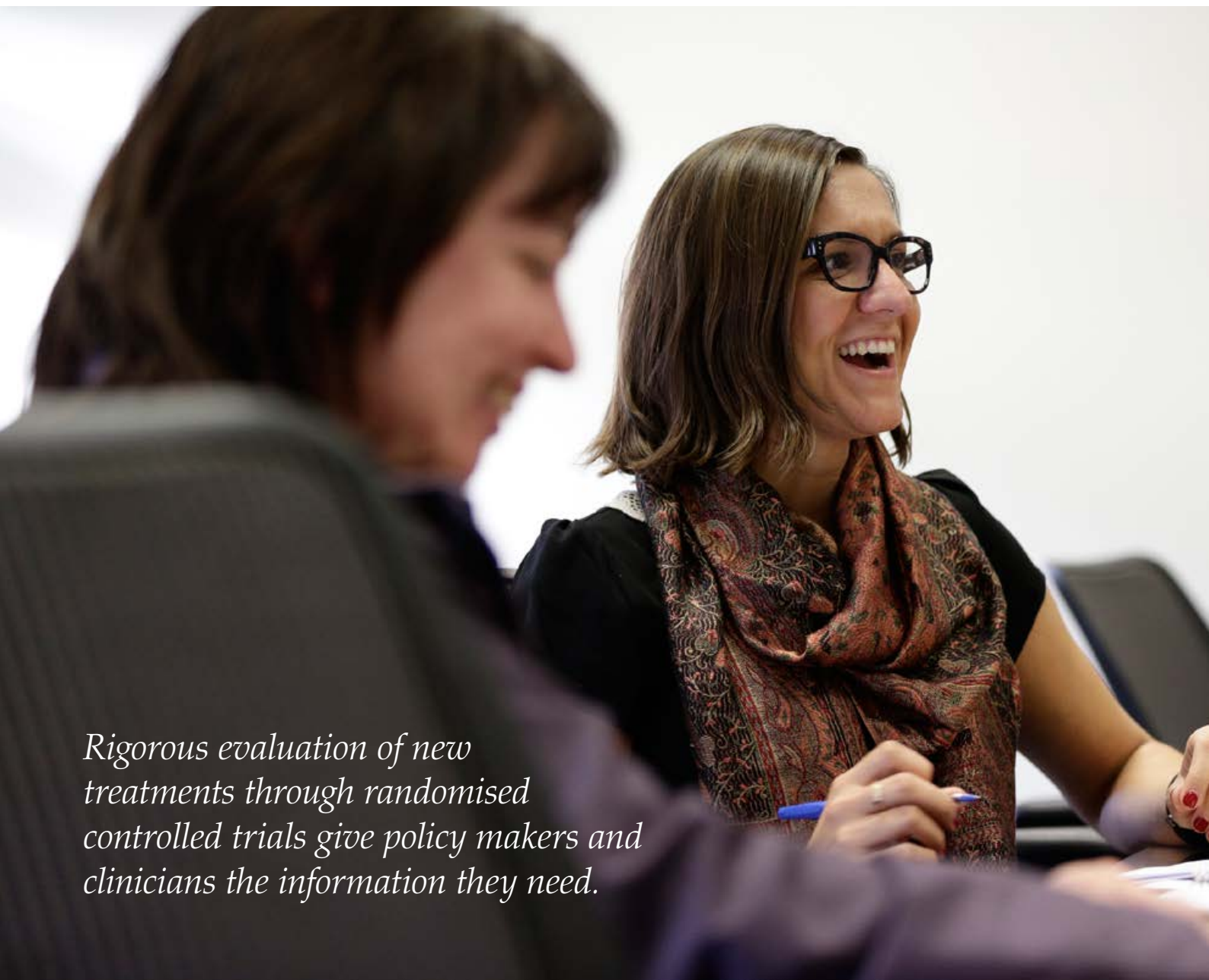
### Europe

- United Nations Office of Drugs and Crime, Vienna
- Trimbos Instituut, Utrecht
- World Health Organization, Geneva
- UNAIDS, Geneva
- University of Twente, The Netherlands

### Middle East

- Persepolis NGO, Tehran Province, Iran
- Tehran University of Medical Sciences, Tehran Province





*Rigorous evaluation of new treatments through randomised controlled trials give policy makers and clinicians the information they need.*



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*NDARC's librarian and information specialist Mary Kumvaj, pictured here with Communications Officer Alexandra Pitzing. As well as providing specialist drug and alcohol information services, Mary assists all academics at the Centre to carry out systematic literature reviews.*

*The Communications team is a crucial part of the Centre's dissemination strategy, ensuring our research results reach a wide audience including the media, general public and key decision makers.*

# The Year in Review



*Behaviour activation therapy is showing promising for heroin users with major depression. The Activate study is the first RCT of the intervention in Australia. Pictured is study leader Dr Joanne Ross and PhD student Sonja Memedovic.*

## Introduction

In a difficult funding environment which has seen Australia-wide reductions in grant awards across the health and medical research sector, NDARC has made a significant impact in 2014, with many of landmark studies and collaborations publishing their major primary findings. These include the Global Burden of Disease Study; findings from the Parental Supply of Alcohol study, the Triple B study of family drug and alcohol use and child development, the landmark Australian Treatment Outcome Study 11-year follow up; the Cannabis Cohort Research Consortium; and CAP the two-year follow up of 1,800 school children receiving targeted universal prevention programs to prevent drug and alcohol use. With an increasing focus on research translation, the Drug Policy Modelling Program produced reports which led to drug law reforms in the ACT.

All staff were actively involved in dissemination of findings with 256 articles published in peer-review journals; 62 reports and book chapters and 240 conference presentations and invited workshops.

This Year in Review provides some of the selected highlights for the year. In subsequent pages we present details of all our current projects and completed projects.

## Treatment and intervention

### Heroin treatment

▶ With more people seeking treatment for heroin dependence in Australia than any other illicit drug, the findings of the 11-year follow up of the landmark Australian Treatment Outcome Study (ATOS) have shed important light on the outcomes associated with treatment and the diverse trajectories of clients entering treatment. Over 70 per cent of the original 615 participants of the 2001 three-year study were contacted and interviewed at 11 years – a success rate in tracking the original participants that surprised even the study leaders. One in 10 of the cohort had died. The proportion who reported using heroin in the preceding month continued to decrease significantly but one-in-four continued to use heroin at 11 years, and close to one-half (46.6%) were in current treatment. The reduction in current heroin use was accompanied by reductions in risk-taking, crime, injection-related health problems, and improvements in general physical and mental health.

The findings were presented at the NDARC Annual Research Symposium, the Society for Mental Research Annual Conference and the APSAD Annual Conference. The results attracted much media attention including a feature on ABC's *7:30 Report* with interviews by study leaders Professor Maree Teesson and Professor Shane Darke. Two papers were published in *Drug and Alcohol Dependence* with a further seven papers under review, including the top-line findings which were submitted to *Addiction*.

*The 11-year follow up of heroin users in treatment found reduction in heroin use was associated with reductions in risk-taking, crime, injection-related health problems, and improvements in general physical and mental health.*



*The Drug Trends Program provides policy makers with crucial information on trends in illicit drugs by interviewing users and key experts. Pictured are Associate Professor Lucinda Burns and Natasha Sindicich.*

### Comorbidity

- ▶ Dr Joanne Ross is leading a novel and promising evaluation of an intervention for illicit drug users with concurrent major depression. The randomised control trial (Activate) of behavioural activation therapy for depression (BATD-R) is now in its second year and to date 109 drug users with depression have been recruited through eight treatment facilities. BATD-R is a structured treatment that aims to activate clients in specific ways that will increase rewarding experiences in their lives by specifically enabling them to identify pleasurable activities and structure them into their lives. While it has shown promise in the United States, this is the first such study of the intervention in Australia. The NHMRC funded study seeks to examine the feasibility of using BATD-R among depressed opioid replacement therapy (ORT) and residential rehabilitation clients. The current study will be the first to assess the efficacy of this intervention among outpatient opioid dependent clients suffering comorbid depression, and will be one of the few randomised controlled trials of psychosocial treatments for comorbid depression and drug dependence to be conducted internationally. The protocol for the study has been presented at the Society for Mental Health Research Conference and the NDARC Annual Research Symposium.

*In an Australian first, NDARC is evaluating a novel theory for drug users with comorbid major depression aimed at increasing rewarding activities and behaviours.*

### Treatment funding and delivery

- ▶ An important project led by the Drug Policy Modelling Program (DPMP) on behalf of the Australian Government Department of Health investigated Australian drug and alcohol treatment funding. The study examined current and future service needs, the gap between met and unmet demand, and planning and funding processes for the future. 300 sector representatives were interviewed in eight states and territories over the course of the review. Ten working papers were produced and a report submitted to the Government. The review looked at the potential for implementation of the controversial pay-for-performance schemes which have been widely adopted in the UK. It also identified hard-to-count categories which make it difficult to estimate true service need and unmet demand, equity of access issues in remote and rural communities, and approaches to planning and purchasing of drug and alcohol treatment in Australia.

### Online treatments

- ▶ The potential for online treatments and interventions continued to be a major focus of the work the Centre for Research Excellence in Mental Health and Substance Use (CREMS) as well as the National Cannabis Prevention and Information Centre (NCPIC). Associate Professor Frances Kay-Lambkin and colleagues completed work on two such projects: delivering computerised treatment for cannabis use in an early psychosis service, and a pilot study investigating internet delivered psychological treatment for comorbid depression and substance use. A/Prof Kay-Lambkin is also the study leader on a project investigating and developing an internet-based intervention for comorbid depression and risky drinking in young people – which is also the focus of Mark Deady's PhD thesis.
- ▶ NCPIC is also investigating the feasibility of the internet and other technologies in managing cannabis use. A standout in 2014 has been the development of a smartphone application for managing cannabis use, *Assess, Plan, Track and Tips* which was presented at the APSAD Annual Conference and is now being developed for public use. NCPIC also completed its assessment of the web-based *Reduce your Use* program that aims to assist cannabis users to quit or cut down on their use.

### Homeless people and other risk groups

- ▶ Associate Professor Lucinda Burns and PhD student Elizabeth Whittaker continued their ground-breaking work evaluating the impact and cost benefits of integrated housing projects for vulnerable, formerly chronically homeless people. The evaluation of two Housing First programs, run jointly by Housing NSW and the Department of Family and Community Services, was completed in 2014. The evaluation used a longitudinal design to assess the impacts of

the housing program over 12 months compared with baseline. Findings were presented at the NDARC Annual Research Symposium and the APSAD Annual Conference. The evaluations showed that in the 12 months of follow-up, the vast majority of individuals remained housed, reported improved quality of life and stable substance use patterns. These results are encouraging, as it appears that the provision of housing and support had a positive impact on the outcomes of individuals with chronic homelessness histories, as well as an offset of associated health and criminal justice system costs.

- ▶ Women who use drugs and alcohol during pregnancy have also been the focus of a number of research projects at NDARC. Substance use during pregnancy is associated with considerable harms including miscarriage and stillbirth, birth defects, developmental delay, growth retardation and neurological abnormalities. Associate Professor Burns and Dr Courtney Breen developed a best practice guide including guidelines on pharmacological interventions, to assist primary care health professionals to identify, support and treat pregnant women who use substances. The project involved a review of effective treatment approaches and input from professionals with expertise regarding substance use in pregnancy.
- ▶ Dr Jenny Chalmers, in collaboration with Dr Anna Olsen (ANU), Associate Professor Jan Breckenridge (UNSW) and the Alcohol Tobacco and Other Drug Association ACT commenced a project to explore and better articulate service delivery for women in need of assistance for their harmful alcohol and other drug use who self-identify as having experienced domestic and family violence.

*Housing support has a positive impact on the outcomes of people with chronic homelessness as well as a positive cost benefit from reduced health and criminal justice costs.*

The project will uncover the paradigm differences underlying AOD treatment provision and services responding to domestic and family violence for women, and identify barriers inhibiting cooperation between providers. The recommendations, developed in collaboration with project participants, will propose ways to improve the compatibility of models of care and link services within and between sectors to better meet the needs of affected women.

#### Child development

- ▶ The longitudinal study “Triple B: Bumps, babies and beyond”, led by Dr Delyse Hutchinson and Professor Richard Mattick, continued to investigate the impact of parental alcohol, tobacco and other substance use on infant development and family functioning. Improved knowledge in these under-researched areas will provide evidence-based direction to the development of public health policy and community interventions. The study has recruited 1,600 participants with the follow-up assessments completed in late 2014. Preliminary results on the relationship between alcohol exposure in utero and infant cognition, and the links between



*With more than \$17 million of government, university and grant funding supporting nearly 100 projects at NDARC, the administration and finance teams provide a crucial supporting role for our academics. Pictured are Mauricia Lopes; Karen Hill and Mina Tang.*

substance use and mental health in pregnancy and early maternal bonding, have been presented at international conferences. A paper has also been submitted examining the characteristics of mothers who consume alcohol during the breastfeeding period, along with the effects of alcohol use during lactation on breastfeeding duration and infant behavioural outcomes. A series of papers on the relationship between prenatal alcohol exposure and a range of infant developmental outcomes is currently in preparation.

### Indigenous populations

- ▶ There is an absence of high-quality evidence about which programs are most effective in assisting young people with complex needs and reducing juvenile offending and crime recidivism. Aboriginal and Torres Strait Islander young people are overrepresented among this group. Professor Anthony Shakeshaft and PhD student Alice Knight have continued their evaluation of a community-based intervention targeting at-risk youth. To date the evaluation has compared rates of common police incidents involving juveniles pre- and post-intervention. Initial results suggest that the intervention, which provides at-risk youth with work-readiness skills and community responsibilities not only reduces rates of common juvenile crime but also produces a return on investment of approximately six per every dollar spent. Although the results are still being finalised, the program and the evaluation have attracted significant media attention with a feature in *The Australian* and reports on the *ABC*. Early results have been presented at the World Indigenous Health Conference and the NDARC Annual Research Symposium.

### Opioids

- ▶ Dr Suzanne Nielsen worked with large collaborative teams across multiple clinical services in NSW to increase our understanding of pharmaceutical opioid dependent people entering treatment. The cohort of pharmaceutical opioid users in treatment is now collecting 12-month follow-up. In addition, a

*A new formulation of OxyContin® has led to less tampering and reductions in non-medical use.*

series of publications and presentations have been made based on a large case file review of treatment entrants, identifying important differences between people who are dependent on codeine and those dependent on strong opioids like oxycodone, and identifying opioid pharmacotherapy dose requirements for those use pharmaceutical opioids.

Dr Nielsen is also involved in a series of laboratory-based studies at the Drug and Alcohol Services, South Eastern Sydney Local Health District, in collaboration with Professor Nicholas Lintzeris, aiming to lead to a better understanding of pain in opioid dependent people.

- ▶ Following the introduction of a new, tamper-resistant formulation of OxyContin® in Australia in April 2014, NDARC was commissioned to evaluate the impact of the new formulation on non-medical use of the drug. Led by Professor Louisa Degenhardt, the study investigates how pharmaceutical opioid use changed following the introduction of the new formulation, and looks at long-term outcomes for regular non-medical users of pharmaceutical opioids. Early results indicate the reformulated version has led to less tampering and reductions in non-medical use.
- ▶ Dr Sarah Larney returned to NDARC in 2014 after completing two years of her NHMRC Early Career Fellowship at Brown University in the United States. In 2014, Dr Larney continued her work on the health outcomes of opioid dependence and was awarded seed funding from the NHMRC Centre for Research Excellence in Injecting Drug Use to support a new project examining hospital use of opioid dependent people.
- ▶ Dr Larney published important work demonstrating that opioid substitution therapy inside prisons almost eliminates unnatural deaths among opioid dependent prisoners, and her work on hepatitis C in United States correctional settings received considerable media attention. Dr Larney was an invited keynote speaker at the International Congress on Addiction Science in Tehran, Iran. In November, as part of the APSAD Annual Conference, she received the APSAD Early Career Award and gave a keynote presentation on harm reduction in correctional settings.

*Dr Ryan Courtney was awarded a \$550,000 Cancer Institute New South Wales Early Career Research Fellowship*





*The Parental Supply of Alcohol Study has published important findings on the impact of parents supplying alcohol to their teen children. Pictured are study leaders Prof Richard Mattick and Dr Monika Wadolowski.*

## Patterns of alcohol and drug use

### Prescription opioids

▶ The landmark Pain and Opioids IN Treatment study (POINT) entered its third year and completed recruitment in March. More than 1,500 patients who have been prescribed opioids for non-cancer chronic pain have been recruited to the five-year study, making it the largest longitudinal study of prescription opioids anywhere in the world. Despite increasing Australian and international concern about the harms related to increases in opioid prescribing for chronic pain, to date there has been little evidence about the demographics or about the long-term outcomes. Baseline interviews were completed in April and three-month follow up interviews completed in September. Papers on use of cannabis and benzodiazepines in the cohort have been published as well as the baseline findings and a paper on correlates of pain and suicidality. Several more papers are due for publication next year.

### Cannabis

▶ Dr Edmund Silins and colleagues continued their work on the Cannabis Cohort Research Consortium (CCRC), a collaboration of investigators involved in the integration of data from several large and long-running Australasian cohorts. A paper reporting this novel research, led by Dr Silins, was published in the prestigious journal *Lancet Psychiatry* and received an exceptional amount of national and international media coverage. The research found that individuals who are daily users of cannabis before age 17 are over 60% less likely to complete high school or obtain a degree compared to those who have

never used the drug, are seven times more likely to attempt suicide, have an 18 times greater chance of cannabis dependence, and are eight times as likely to use other illicit drugs in later life.

▶ Findings were also presented at the APSAD Annual Conference. Following on from this work, Dr Silins and the team have further refined methods for integrating data and are applying the techniques developed to investigate the young adult outcomes of adolescent binge-drinking.

### ADHD and substance use

▶ In 2014, Dr Sharlene Kaye continued her collaboration with the International Collaboration on ADHD and Substance Abuse (ICASA) and completed recruitment for the Australian arm of the Continuous Performance Test for ADHD in SUD Patients (CASP) study. The CASP study is a multi-site international ICASA study conducted in Australia, Hungary and the United States which aims to test the ability of a new generation of continuous performance test – the *MOXO ADHD Test (Neurotech Solutions Ltd)* – to compare levels of attention, hyperactivity and impulsivity between

*Adolescent daily cannabis users are over 60% less likely to complete high school or obtain a degree compared to those who have never used the drug.*

Dr Emily Stockings won multiple awards for her presentations at conferences throughout 2014.



people with substance use disorder (SUD) only, people with SUD and comorbid adult ADHD, and a control group from the general population. Preliminary findings were presented at the 4th Congress of the UK Adult ADHD Network (UKAAN) by collaborators from Eötvös Loránd University in Hungary.

- ▶ Dr Kaye also presented findings from the Australian arm of the International ADHD in Substance Use Disorders Prevalence (IASP) study, conducted in eight European countries, Australia and the United States, at the Society for Mental Health Research (SMHR) Conference in Adelaide.
- ▶ In collaboration with Professor Michael Farrell and researchers from the University of Queensland, La Trobe University, Deakin University and the Institute for Clinical Research in Montreal, Dr Kaye also commenced an ARC-funded study examining the non-medical use of prescription stimulants among Australian university students. This study will be the first in Australia to comprehensively examine attitudes towards such use as well as the prevalence, patterns and consequences of prescription stimulant use, and motivations for non-medical use.

### Epidemiology of mental health and substance use disorders

- ▶ Throughout 2014, Associate Professor Tim Slade continued to lead epidemiological studies examining the prevalence, correlates and natural history of mental health and substance use disorders as Director of the Epidemiology stream for the NHMRC Centre of Research Excellence in Mental Health and

Substance Use (CREMS). Projects completed in 2014 include an examination of the natural history of cannabis use and cannabis use disorder, a look at the delay to first treatment contact for alcohol use disorder, changes in drinking patterns in the first few years after drinking onset, and a summary of the methodological issues surrounding the assessment and diagnosis of alcohol use disorder. The projects have resulted in several papers published in *International Journal of Methods in Psychiatric Research*, *Drug and Alcohol Review*, *Drug and Alcohol Dependence* and *Psychology of Addictive Behavior*.

- ▶ Through collaborations with colleagues in the United States, Dr Matt Sunderland and A/Prof Slade have commenced a program of research in order to develop and test a computerized adaptive version of the Externalizing Spectrum Inventory using state of the art statistical techniques. This work is currently underway and will continue in 2015.
- ▶ In 2014, A/Prof Slade, along with Professor Louisa Degenhardt and Professor Ron Kessler from Harvard Medical School, was awarded NHMRC project funding to carry out a three-year project developing a comprehensive global picture of the epidemiology of drug and alcohol use. This project uses data from the World Health Organisation World Mental Health Survey initiative, a suite of nationally or regionally representative surveys of mental and substance use disorders carried out in 31 countries around the world. With a combined sample size of over 160,000 this data set will allow for the examination of many research questions unanswerable in any single data set alone.

## Alcohol and teenagers

- ▶ Through the parental supply of alcohol study Professor Richard Mattick, Dr Monika Wadolowski and collaborators in Queensland and Tasmania set out to answer the question of parental influence on teenage drinking patterns. The study of 2,000 parent-child pairs followed from Year seven found that children who had been supplied alcohol by their agents were three times more likely to drink a full serve by the age 16. Additional funding has been received from Australian Rotary Health which will allow the researchers to follow the students until Year 12. The analysis of the first four waves was presented at the NDARC Annual Research Symposium and received widespread media coverage. Monika Wadolowski completed her PhD on the project and is now working as a Rotary funded postdoctoral student on the final follow-ups.
- ▶ Michael Livingston's important study of the decline in drinking amongst Australian teenagers attracted significant media coverage, including TV appearances on *The Project*, the ABC and *Channel 9 News*.
- ▶ Another major highlight was the success of an ARC Discovery Project grant application to commence in 2015. The project, involving collaborators from The Burnet Institute, Curtin University and Turning Point involves a comprehensive examination of trends in Australian alcohol consumption and related harms to ensure policies are based on robust epidemiology and evidence.

## Prevention and early intervention

### Schools

- ▶ The NHMRC funded *Climate Schools and Preventure (CAP)* study examining the effects of universal and targeted prevention moved into its fourth year in 2014. The Chief Investigators on this study include Professor Maree Teesson, Dr Nicola Newton, Associate Professor Tim Slade and Associate Professor Patricia Conrod. Katrina Champion, Natasha Nair and Erin Kelly coordinated the 24-month follow-up with approximately 1,800 students and an exceptional retention rate of 79%. The team are set to conduct the fifth and final follow-up survey in early 2015, providing us with 36-month follow-up data for the cohort.
- ▶ The NHMRC funded *Climate Schools Combined (CSC)* study moved into its second year in 2014. The Chief Investigators of this project are Professor Maree Teesson, Professor Gavin Andrews, Dr Nicola Newton, Associate Professor Tim Slade and Dr Cath Chapman from UNSW, Associate Professor Leanne Hides from QUT, and Professor Steve Allsop and Dr Nyanda McBride from Curtin University. The study is the first trial of an online integrated approach for the prevention of mental health and substance use and is being conducted with approximately 7,000 students from 71 schools in NSW, QLD and WA. Louise Birrell, Zoe Tonks and

*Children who had been supplied alcohol by their parents were three times more likely to drink a full serve by the age 16.*

Brad Shaw are coordinating the trial from NDARC. In 2014, Louise Birrell and Zoe Tonks commenced their PhD research supported by Australian Rotary Health scholarships.

- ▶ The *Climate Schools Interactive (CSI)* study, led by Katrina Champion as part of her PhD, under the supervision of Dr Nicola Newton and Professor Maree Teesson, moved into its second year in 2014. Over 1,120 students from 11 schools completed an online survey at baseline and five intervention schools successfully implemented the four-lesson *Climate Schools: Ecstasy and Emerging Drugs* module. Positive feedback was received from both teachers and students. All students completed a 6-month follow-up survey in September (with a 78% follow-up rate) and will complete a 12-month follow survey in 2015. Katrina Champion was acknowledged on the Faculty of Medicine Dean's List for her outstanding contribution to drug prevention research.

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*Dr Nicola Newton is a Senior Research Fellow at NDARC and heads up the Prevention stream at the Centre for Research Excellence in Mental Health and Substance Use (CREMS). She leads a program of research developing and evaluating innovative approaches to the prevention of alcohol and other drug use in adolescents.*



*185,000 booklets on illicit drugs and related harms for teachers, parents and students were distributed to every secondary school in Australia.*

- ▶ The Australian Government Department of Health continued to fund the development of an illicit drugs resource package to complement the National Drugs Campaign. This work is being led by Dr Nicola Newton, Professor Maree Teesson, Dr Lexine Stapinski, Dr Cath Chapman, Associate Professor Frances Kay-Lambkin and Bill Reda at NDARC in collaboration with the National Drug Research Institute (NDRI) at Curtin University. In Term 4 of 2014, 185,000 booklets on illicit drugs and related harms for teachers, parents and students were distributed to every secondary school in Australia. The interactive drug education game *Pure Rush* was also released, and the *Positive Choices* online portal for drug education was developed and is due to be released in 2015. This work was presented at the Society of Mental Health Research Conference in December, where Dr Lexine Stapinski was awarded the Australian Rotary Health Knowledge Dissemination Award and Bill Reda received an award for the best poster presentation.

### Mental Health

- ▶ Professor Louisa Degenhardt and Dr Emily Stockings are collaborating with the Centre for Research Excellence in Mental Health Systems Improvement (CREMSI) led by Professor Harvey Whiteford at the University of Queensland. CREMSI is a five-year multi-institutional research collaboration that will research the design of a better mental health system for Australia (2013-2018). Dr Stockings is continuing her work in the field of prevention of mental disorders, and in 2014 published a major review in the *Journal of Affective Disorders* examining the diagnostic utility

of symptom screening scales for detecting major depressive disorder in children and adolescents. A number of other papers on related issues including prevention, carer needs and service use are currently in preparation. Dr Stockings disseminated her work at three conferences in 2014, including a poster presentation at the NDARC Annual Research Symposium where she won the award for outstanding research poster, an oral presentation as part of an organised session at the International Society of Priorities in Healthcare Conference in Melbourne, and two oral presentations at the SMHR Conference in Adelaide, for which she won the award for best overall presenter.

### Smoking

- ▶ An NHMRC funded project led by Professor Richard Mattick and coordinated by Dr Ryan Courtney is investigating a novel approach to improving smoking cessation outcomes among low socioeconomic status (low-SES) smokers. This randomised controlled trial will assess whether the provision of counselling support aimed at alleviating financial stress, in addition to nicotine replacement therapy and quit support, reduces financial stress and improves quit rates for low-SES smokers. Over 1,000 participants have been recruited to date and two-month follow-up interviews were completed in 2014. Final follow-up interviews are set for completion in June 2015 and more than 85 per cent of original participants have been retained for follow-up. Three peer-reviewed manuscripts were published in top-tier journals in 2014 and several manuscripts are currently under review or in-preparation. Project statistician Philip Clare was

Biostatistician Philip Clare was invited to present a webinar to a Canadian university audience on "hardening" among low-SES smokers.



invited to present a webinar to a Canadian university audience on “hardening” among low-SES smokers. Dr Courtney presented four abstracts at the international Society for Research in Nicotine and Tobacco (SRNT) Research Scientific Conference in Spain, received a SRNT Travel Award and was invited to present NDARC’s tobacco collaborative work at several Department talks at leading Russell Group universities. Dr Courtney was also awarded a \$550,000 Cancer Institute New South Wales Early Career Research Fellowship.

## Cannabis

► In 2014, the National Cannabis Prevention and Information Centre (NCPIC) continued to deliver evidence-based information about cannabis use to the Australian public, including young people and Aboriginal and Torres Strait Islander people – groups most at risk. Underpinning projects and all efforts throughout the year was the complete redevelopment of the Centre website, to reflect the most-cutting edge technology and make new, engaging and interactive tools and resources available to the rapidly expanding mobile audience. Initiatives including the online quit dashboard and forum, ‘Joint Effort – quit with a buddy’, Stoned Driving awareness promotion, Help Centre promotion and Workplace Drug Use promotions were launched, using the new website platform as a foundation for offering inventive and interactive methods of learning. NCPIC’s innovative research on brief interventions for cannabis-related problems across a variety of platforms and settings has seen the completion of pilot studies and proposals to move to clinical trials. The Centre’s open label study of cannabidiol (CBD) for cannabis withdrawal was the first ever conducted. The year was capped-off by a successful training program, with train-the-trainer initiatives expanding NCPIC’s reach across the country, several new workshops launched and a series of online training, in the form of webinars, made available to health professionals.

## Drug policy

### Drug law reform

► A key goal of NDARC’s Drug Policy Modelling Program (DPMP) is getting evidence into policy. In 2014, following a number of years of collaboration with DPMP, the ACT Government enacted a series of evidence-informed reforms. The first occurred in April 2014 when the ACT Attorney General Simon Corbell introduced new threshold limits for drug trafficking versus possession for personal use. These followed the recommendations of Dr Caitlin Hughes and Professor Alison Ritter in their report *Legal thresholds for serious drug offences: Expert advice to the ACT* and were designed to “ensure that serious drug offences target drug traffickers rather than drug users, consistent with a harm minimisation approach to drug policy”. In October 2014, the ACT Attorney General Simon Corbell launched a report co-authored by Dr Caitlin Hughes, Professor Alison



Ritter, Dr Marian Shanahan, Dr David McDonald and Florence Gray-Weale on the “ACT drug diversion programs” and announced reforms to the ACT police and court diversion system, including prioritising space for AOD assessments of offenders in the courts and the development of a new ACT Police and Court Drug Diversion Strategy.

### Criminal networks

► In 2014 Dr Caitlin Hughes, Dr Jenny Chalmers, Dr David Bright and Michael McFadden completed the first systematic examination of poly-drug and poly-crime trafficking in Australia. The project, funded by the National Drug Law Enforcement Research Fund, undertook trend analysis of Australian commercial poly-drug and mono-drug importations from 1999-2012, quantitative and qualitative analysis of profiles of poly-drug and mono-drug traffickers, and social network analysis of three Australian poly-drug and poly-crime trafficking networks. The analysis showed that poly-drug trafficking was not new in Australia, but that it was becoming a more complex phenomenon. Moreover, compared to traffickers who trade in a single drug, traffickers who trade in multiple illicit drugs trafficked in larger quantities of drugs had longer criminal histories and were more engaged in other forms of crime (such as money laundering and corruption). This provided the first evidence that by employing more

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*NCPIC Communications Manager Amanda McDonald and her team continued to deliver evidence-based information about cannabis use to the Australian public.*

*The ACT introduced a number of evidence based reforms including a new threshold limit for serious drug offences based on recommendations from the Drug Policy Modelling Program.*



*Health Economist Dr Marian Shanahan co-authored a report on "ACT drug diversion programs" which informed reforms to the ACT police and court diversion system.*

diverse criminal portfolios, poly-drug traffickers may have greater potential to cause harm and greater ability to withstand change in illicit drug supply, demand and/or policing. This has a number of policy implications including the need for added attention by government and drug law enforcement to this form of drug trafficking.

### Policing

▶ In 2014 Dr Caitlin Hughes, Professor Robert MacCoun and Dr Don Weatherburn piloted a new approach to assessing deterrent effects of policing: assessing impacts of the police use of drug

detection dogs on drug use at outdoor festivals in Sydney, NSW. Building on this, Dr Caitlin Hughes, Professor Alison Ritter, Professor Robert MacCoun and Dr Don Weatherburn attained an Australian Research Council Discovery Project grant to assess the deterrent effects of Australian drug law enforcement. This two-year project will commence in January 2015 and will assess the impacts of four different Australian policing strategies, taking into account impacts on drug use, possession and trafficking, and two different settings in which the policing strategies could be applied.

### Alcohol

▶ Dr Jenny Chalmers continued her research into the drinking and other drug using practices of an Australia-wide sample of young adults. Together with A/Prof Rebecca McKetin (ANU), Dr David Bright (UNSW), Dr Matthew Sunderland and Dr Michael Livingston she published findings which showed that stimulant intoxication, but not cannabis intoxication, is associated with binge drinking, potentially compounding already high rates of binge drinking among people who use these drugs. Furthermore, off-licence outlets were a major source of alcohol in this sample of young Australian adults, many of whom binge-drank in private homes. Those who bought alcohol from both off-licence and on-licence premises on a Saturday night were at higher risk of an alcohol use disorder. While harm reduction measures in the night-time economy are warranted, policy makers need also to attend to the cost and availability of alcohol in liquor stores.

*Dr Sarah Larney is an NHMRC Early Career Research Fellow at NDARC and a Research Associate at the Alpert Medical School, Brown University. Her research focuses on health and criminal justice harms of opioid dependence, and the role of opioid pharmacotherapies in addressing these harms.*





*Thu Vuong is currently completing her PhD at NDARC's Drug Policy Modelling Program comparing the cost-effectiveness of center-based compulsory rehabilitation for substance abuse with community-based methadone maintenance treatment in Hai Phong City, Vietnam.*

## International

▶ A major national and international collaboration, the Global Burden of Disease (GBD) project provides comprehensive and comparable data on mortality and loss of health due to diseases, injuries and risk factors for all regions of the world. NDARC, under the leadership of Professor Louisa Degenhardt, led the calculation of levels of disease, injury and death associated with illicit drug use and dependence. This has been undertaken in collaboration with Harvey Whiteford of the University of Queensland under the organising structure of the 'Global Burden of Disease: Mental Disorders and Illicit Drug Use Expert Group'. The GBD 2010 study is now complete, and we are part of the Core Analytic team for GBD 2.0. Papers on the findings of GBD 2010 and the new GBD 2013 continue to be published in leading journals worldwide. Findings from the Global Burden of Disease 2010 study indicate that as the population ages, chronic non-cancer pain will become a major cause of health burden in Australia and globally. This finding has driven Pharmaceutical Opioids IN Treatment (POINT) study described elsewhere in this report.

### Compulsory treatment centres in Vietnam

▶ Compulsory rehabilitation is widely used in South East Asia. In Vietnam it has been the primary mode of treatment for 20 years. As part of her PhD at the Drug Policy Modelling Program (DPMP), Thu Vuong is comparing this modality with methadone maintenance treatment (MMT) which has only been available for five years.

In the compulsory rehabilitation model, if someone in the community fails to stop illicit drug use after several treatment attempts, they are to be sent to

centre-based compulsory detention for up to two years without the benefit of due process or legal safeguard. The UN publicly criticises this modality because it violates human rights principles. About 35% of the total 204,000 registered dependent drug users are kept in these centres. Funding for this modality is solely from the Government.

Currently, 17% of people who need MMT treatment are in treatment with funding mainly from international donors, which is expected to decline in the next few years. This project will provide the first cost-effectiveness analysis of the two treatment approaches.

▶ Also in Vietnam, Dan Anh Tran completed her PhD this year, supervised by Professor Anthony Shakeshaft, examining the costs and benefits of providing antiretroviral treatment. The project investigated specific aspects, including structural determinants of access to treatment, the cost-effectiveness of commencing antiretroviral treatment at different thresholds and the characteristics of patients who are lost to follow-up.

*Poly-drug traffickers may have greater potential to cause harm and greater ability to withstand change in illicit drug supply, demand and/or policing.*

*The Annual Research Symposium is a key event in the NDARC calendar for disseminating and translating our findings to a clinical and policy audience.*

## Events, Media and Community

### Conferences

▶ NDARC held another highly successful Annual Research Symposium at UNSW on 8 September. The full-day Symposium featured presentations and posters from a cross-section of NDARC's groups and projects. The Symposium is a key event in the NDARC calendar for disseminating and translating our findings to a clinical and policy audience. This year's topics included longitudinal trajectories of heroin use, pharmaceutical opioid use among Australians with chronic pain, combining universal and personality-targeted approaches in a drug and alcohol school prevention program, and the effects of parental supply of alcohol to adolescents. For the first time, the NDARC Symposium invited a keynote speaker and we were delighted to welcome Keith Humphreys, Professor of Psychiatry and Behavioural Sciences at Stanford University and former senior policy adviser to the White House, who spoke about policies for improving the quantity and quality of substance use disorder treatment.

- ▶ The National Drug Trends Conference "Australia: Major Drug Trends and Issues" was held on 20 October at the Australian National Maritime Museum in Sydney. The Drug Trends team launched the 2014 IDRS and EDRS key findings for Australia, and guest speaker Jeremy Douglas from the United Nations Office on Drugs and Crime gave an international perspective on trends in and Asia Pacific/Oceania region.
- ▶ The Drug Policy Modelling Program (DPMP) held its Annual Symposium at UNSW on 1 December. The highly engaging, one-day Symposium featured high-profile presentations and discussions around topics including policy implications of Treatment as Prevention (TasP) approaches; DPMP research, and perspectives on methamphetamine.

NDARC staff members at the NDARC Annual Research Symposium.



### Media & Online Community

- ▶ NDARC staff and their research received a lot of media attention in 2014 and was covered in a wide range of national media outlets such as the ABC, news.com.au, The Conversation and The Age.
- ▶ Many stories were generated from the Centre's media releases while others drew NDARC's expert commentary on a range of topics such as the dark web marketplace, ice use in Australia and the effects of binge drinking.
- ▶ Online, the NDARC website attracted over 190,000 visits in 2014 and over 30,000 downloads of resources, the most popular being Drug Trends Reports, Comorbidity Guidelines, fact sheets, and the Drug Policy Timeline. We also continued to utilise NDARC's social media channels to disseminate research and media stories, build relationships with stakeholders and recruit participants for new projects.

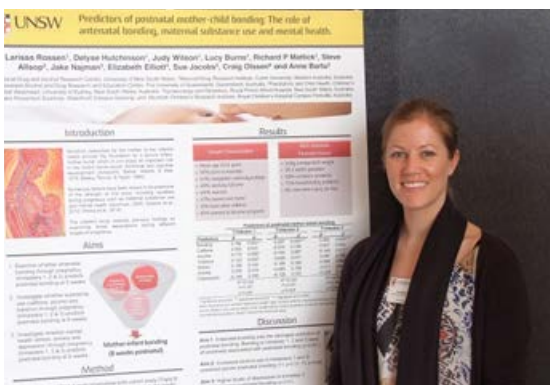


*The media drew NDARC's expert commentary on a range of topics such as the dark web marketplace, ice use in Australia and the effects of binge drinking.*

*Drugs and New Technologies researcher Joe Van Buskirk in an interview with the ABC 7:30 Report.*



**Far left:** NDARC Symposium keynote speaker Prof Keith Humphreys.  
**Left:** Poster viewing.



**Far left:** Poster prize winner Larissa Rossen.  
**Left:** NDARC director and Symposium chair Prof Michael Farrell.

### Awards & Promotions

- ▷ The accomplishments of four NDARC staff members were recognised at the 2014 UNSW Medicine Dean's Awards in November. Dr Suzanne Nielsen and Dr Michael Livingston were recipients of the Dean's Rising Star award in recognition of their achievements as Early Career Researchers. Doctoral candidates Gabrielle Campbell and Katrina Champion earned the Dean's List award for their outstanding contribution to substance misuse research.
- ▷ Prof Maree Teesson received the prestigious University of Technology, Sydney Eureka Prize for Outstanding Mentor of Young Researchers.
- ▷ Dr Nicola Newton won a 2014 NSW Tall Poppy award for her outstanding research into the prevention of substance misuse among young people.

- ▷ Professor Maree Teesson and Dr Sarah Larney were recognised for their achievements at the 2014 Australasian Professional Society on Alcohol and other Drugs (APSAD) Awards for Excellence in Science, Research and Practice, with the Senior Scientist Award presented to Prof Teesson, and Dr Larney receiving the Early Career Award.
- ▷ Dr Natacha Carragher was awarded the prestigious 2014 Epidemiology & Public Health Young Epidemiologist Prize from the Royal Society of Medicine, United Kingdom, and was also promoted to Senior Lecturer later in the year.
- ▷ NDARC's very own awards for research excellence were presented to three researchers – Kari Lancaster received the 'Jennifer McLaren Award for Outstanding Research Achievement', Caitlin Hughes received the 'Kevin Rozzoli Community Impact Award' and to Delyse Hutchinson received the 'Ian Webster Award for Outstanding Research Achievement'.

**Right:** NDARC award winner Dr Delyse Hutchinson with NDARC Director Prof Michael Farrell.  
**Far Right:** NDARC award winners Kari Lancaster (left) and Dr Caitlin Hughes with Prof Michael Farrell.



**From left to right:** Medicine Dean's Award recipients Gabrielle Campbell, Katrina Champion, Dr Michael Livingston and Dr Suzanne Nielsen.



**From left to right:** Eureka Prize winner and APSAD Senior Scientist award recipient Prof Maree Teesson, Epidemiology & Public Health Young Epidemiologist Prize winner Natacha Carragher, APSAD Early Career Award winner Dr Sarah Larney and Tall Poppy Award winner Dr Nicola Newton.



# Current projects

## Treatment and Early Intervention

**A dimensional-spectrum model of mental disorders: Developing new assessments to improve the diagnostic validity of multiple mental disorders**

**NDARC staff:** Dr Matthew Sunderland & A/Prof Tim Slade

**Project description:** This project seeks to investigate new and emerging statistical models to develop accurate and efficient diagnostic instruments that measure the latent relationship between internalising (e.g. depression, anxiety), externalising (e.g. substance use, anti-social and conduct disorder) and thought disorders (e.g. psychosis).

**Funding:** NHMRC Early Career Fellowship

**Date commenced:** January 2013

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/dimensional-spectrum-model-mental-disorders-developing-new-assessments-improve-diagnostic>

**Assessing the cannabis withdrawal scale and cannabis problems questionnaire**

**NDARC staff:** Prof Jan Copeland, Dr Nicole Clement, Dr David Allsop & Dr Wendy Swift

**Project description:** This project assesses the psychometric properties of two applied measures of cannabis problems – The Cannabis Withdrawal Scale (CWS) and the Cannabis Problems Questionnaire-Revised (CPQ-R) – to provide reliable and valid tools for use in clinical and research settings.

**Date commenced:** 2013

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/cannabis-withdrawal-scale-and-cannabis-problems-questionnaire>

**Binge drinking and the adolescent frontal lobe**

**NDARC staff:** Prof Maree Teesson, Lucy Swaffield & Dr Louise Mewton

**Other investigators:** Prof Caroline Rae (Neuroscience Research Australia) & Prof Roland Henry (University of California, United States)

**Project description:** This project aims to study brain connectivity patterns in adolescent binge drinkers and abstinent controls by structural and diffusion tensor magnetic resonance imaging and spectroscopy, and examine the relationship between selected behavioural and cognitive functional outcomes and brain structure.

**Date commenced:** 2009

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/binge-drinking-and-adolescent-frontal-lobe-0>

**Cannabidiol (CBD) for the management of cannabis withdrawal: A phase II proof of concept open label study**

**NDARC staff:** Prof Jan Copeland & Dr Nicole Clement

**Project description:** This is a feasibility study to test the effectiveness of cannabidiol (CBD) for alleviating cannabis withdrawal symptoms in a six-night inpatient detoxification program.

**Funding:** NDARC

**Date commenced:** January 2014

**Expected date of completion:** February 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/cannabidiol-cbd-management-cannabis-withdrawal-phase-ii-proof-concept-open-label-study>

**Centre of Research Excellence in Mental Health and Substance Use: Translating innovative prevention and treatment**

**NDARC staff:** Prof Maree Teesson, A/Prof Katherine Mills, A/Prof Frances Kay-Lambkin, Dr Catherine Chapman, A/Prof Tim Slade, Marion Downey, Prof Michael Farrell, Dr Nicola Newton, Dr Joanne Ross, Dr Wendy Swift, Dr Natacha Carragher, Dr Sharlene Kaye, Dr Emma Barrett, Dr Christina Marel, Dr Matthew Sunderland, Julia Rosenfeld, Philippa Ewer, Erin Kelly, Daniel Rodriguez, Joanne White, Katrina Champion, Mark Deady, Amy Johnston & Sonja Memedovic

**Other investigators:** Prof Amanda Baker (University of Newcastle), Prof Paul Haber (Royal Prince Alfred Hospital), A/Prof Andrew Baillie (Macquarie University), Prof Helen Christensen (Black Dog Institute, UNSW), Prof Max Birchwood (University of Birmingham, United Kingdom), Prof Bonnie Spring (Northwestern University Medical School, United States), Prof Kathleen Brady (Medical University of South Carolina, United States), Leonie Manns (consumer advocate), Trevor Hazell (Hunter Institute of Mental Health), Prof Robyn Richmond (School of Public Health and Community Medicine, UNSW), Prof Brian Kelly (University of Newcastle), Dr Brian Hitsman (Northwestern University Feinberg School of Medicine, United States), Dr Leanne Hides (Queensland University of Technology), Dr Peter Kelly (University of Wollongong), Dr Glenys Dore (Northern Sydney Drug and Alcohol Service), Dr Ali Beck, Jenny Geddes, Sally Hunt (University of Newcastle), Miriam Forbes, Warren Logge, Mikki Subotic & Kris Tulloch (Macquarie University)

**Project description:** Mental health and substance use disorders often occur together (comorbidity), affecting more than 300,000 Australians every year. Despite the significance of these conditions, the evidence surrounding the effective prevention and treatment of co-occurring disorders is weak. This Centre of Research Excellence (CRE) in Mental Health and Substance Use aims to build much needed research capacity in this area. The CRE is not a singular project, rather it incorporates many projects.

**Funding:** NHMRC Centres of Research Excellence

**Date commenced:** 2012

**Expected date of completion:** October 2017

**Project website:** <https://ndarc.med.unsw.edu.au/group/cre-mental-health-substance-use>

### Comorbid mental illness and illicit substance use: Review of evidence for effective models of care

**NDARC staff:** Mark Deady, Dr Emma Barrett, A/Prof Katherine Mills, A/Prof Frances Kay-Lambkin & Prof Maree Teesson

**Other investigators:** Prof Paul Haber (University of Sydney), Dr Fiona Shand (Black Dog Institute, UNSW), Prof Amanda Baker (University of Newcastle), A/Prof Andrew Baillie (Macquarie University), Prof Helen Christensen (Black Dog Institute, UNSW) & Ms Leonie Manns (consumer advocate)

**Project description:** This report was commissioned by the NSW Mental Health Drug and Alcohol Office (MHDAO) to summarise key components for consideration in developing a strategic, practical, coordinated and efficient approach to the clinical management of comorbid mental illness and substance use.

**Funding:** NSW Mental Health Drug and Alcohol Office (MHDAO)

**Date commenced:** July 2014

**Expected date of completion:** March 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/comorbid-mental-illness-and-illicit-substance-use-review-evidence-effective-models-care>

### Continuous performance test for ADHD in SUD Patients (CASP) study

**NDARC staff:** Dr Sharlene Kaye

**Other investigators:** Adva (Peled) Levie, Nir Yacin (Neurotech Solutions Ltd, Israel), Itai Berger (Hadassah-Hebrew University Medical Center, Israel), Wim van den Brink (University of Amsterdam, The Netherlands), Zsolt Demetrovics (Eötvös Loránd University, Hungary), Csaba Barta (Semmelweis University, Hungary), Brian Johnson (SUNY Upstate Medical University, United States) & Geurt van de Glind (University of Amsterdam; Trimbos-instituut & ICASA Foundation, The Netherlands)

**Project description:** This study aims to test in a population of patients referred for treatment of Substance Use Disorders (SUD) the ability of the MOXO ADHD Test to develop specific population norms for the psychometric properties of the MOXO, to differentiate between SUD patients with and without adult Attention Deficit Hyperactivity Disorder (ADHD), and to evaluate how attention levels in those with ADHD compare to attention levels in those with other disorders such as ASPD, bipolar disorder, borderline PD and depression.

**Funding:** Neurotech Ltd (Israel); ICASA Foundation (The Netherlands)

**Date commenced:** May 2012

**Expected date of completion:** July 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/continuous-performance-test-adhd-sud-patients-casp-study>

### Development and evaluation of an information kit on Medication Assisted Treatment for Opioid Dependence (MATOD): Translating research into policy

**NDARC staff:** Prof Kate Dolan, Prof Michael Farrell & Zahra Alam Mehrijerdi

**Project description:** We will develop an Information Kit on Medication Assisted Treatment for Opioid Dependence (MATOD) for key stakeholders including Parliamentarians, local government, prison and Health Department officers, and GPs.

**Funding:** Australian National Council on Drugs

**Date commenced:** August 2013

**Expected date of completion:** January 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/development-and-evaluation-information-kit-opioid-substitution-treatment-translating>

### The development and evaluation of an Internet-based treatment for co-occurring depression and hazardous alcohol use in young Australians (The DEAL Project)

**NDARC staff:** A/Prof Frances Kay-Lambkin, Prof Maree Teesson, Mark Deady & A/Prof Katherine Mills

**Project description:** This project involves the development and evaluation of an Internet-based treatment for co-occurring depression and hazardous alcohol use in young Australians (The DEAL Project).

**Funding:** NHMRC

**Date commenced:** January 2012

**Expected date of completion:** March 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/development-and-evaluation-internet-based-treatment-co-occurring-depression-and-hazardous>

### The efficacy of behavioural activation therapy in treating depression among dependent illicit drug users: The Activate Study

**NDARC staff:** Prof Maree Teesson, Dr Joanne Ross, A/Prof Katherine Mills, Dr Sharlene Kaye, A/Prof Frances Kay-Lambkin, Philippa Ewer, Katrina Prior, Xanthe Larkin & Ivana Kihias

**Other investigators:** Prof Carl Lejuez (University of Maryland, United States), Prof Kathleen Brady (Medical University of South Carolina, United States) & Dr Glenys Dore (Northern Sydney Drug and Alcohol Service)

**Project description:** This study seeks to examine the feasibility of using Behavioural Activation Therapy for Depression among depressed opioid replacement therapy (ORT) and residential rehabilitation clients.

**Funding:** NHMRC

**Date commenced:** February 2013

**Expected date of completion:** February 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/efficacy-behavioural-activation-therapy-bat-treating-depression-among-dependent-illicit-drug>

### Evaluation of NSW Government initiative Platform 70

**NDARC staff:** A/Prof Lucinda Burns & Elizabeth Whittaker  
**Other investigators:** Prof Paul Flatau (University of Western Australia) & Dr Elizabeth Conroy (University of Western Sydney)

**Project description:** As part of the NSW Homelessness Action Plan Evaluation Strategy, Housing NSW contracted NDARC to conduct a longitudinal analysis of the project *Platform 70*.

**Funding:** NSW Department of Family and Community Services, Housing NSW

**Date commenced:** August 2012

**Expected date of completion:** 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/evaluation-nsw-government-initiative-platform-70>

### The feasibility and efficacy of a very brief intervention for cannabis use and related problems in an Emergency Department (ED) setting

**NDARC staff:** Prof Jan Copeland, Ety Matalon, Dr Nicole Clement & Lisa Gibson

**Project description:** This project will collect pilot data on the feasibility and efficacy of a very brief intervention for cannabis use and related problems within an Australian Emergency Department setting.

**Date commenced:** January 2014

**Expected date of completion:** June 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/feasibility-and-efficacy-very-brief-intervention-cannabis-use-and-related-problems-emergency>

### Health service use of people with opioid use disorders

**NDARC staff:** Dr Sarah Larney, A/Prof Lucinda Burns, Dr Marian Shanahan, Prof Louisa Degenhardt, Prof Alison Ritter, Dr Natasa Gisev & A/Prof Timothy Dobbins

**Collaborators:** Dr Mark Montebello (South East Sydney Local Health District)

**Project description:** The aim of this study is to assess the benefits of using multiple health databases (as opposed to a single opioid treatment database) to identify individuals experiencing opioid-related harm; and to compare health service use of people with and without opioid-use disorders.

**Funding:** Burnet Institute/NHMRC CREIDU Seed Funding Shared Grant

**Date commenced:** June 2014

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/health-service-use-people-opioid-use-disorders>

### Improving cardiovascular health among people with depression: The development and pilot testing of an evidence-based internet healthy lifestyles treatment

**NDARC staff:** A/Prof Frances Kay-Lambkin

**Other investigators:** Prof Robyn Richmond (School of Public Health and Community Medicine, UNSW) & Prof Amanda Baker (University of Newcastle)

**Project description:** This project involves the development of the first web-based multi-factor psychological treatment for people with depression, heavy tobacco use and a range of other comorbid cardiovascular disease risk factors (poor nutrition, physical inactivity, weight).

**Funding:** Australian Government Department of Health contract research

**Date commenced:** July 2010

**Expected date of completion:** Ongoing Project

**Project website:** <https://ndarc.med.unsw.edu.au/project/improving-cardiovascular-health-among-people-depression-development-and-pilot-testing-0>

### Improving comorbidity treatment within residential substance abuse programs: A randomised trial of a computer-based depression and substance abuse intervention

**NDARC staff:** A/Prof Frances Kay-Lambkin

**Other investigators:** Prof Amanda Baker (University of Newcastle), Dr Peter Kelly & Prof Frank Deane (University of Wollongong)

**Project description:** This study will evaluate the effectiveness of 'adding' a computer-delivered comorbidity cognitive-behaviour therapy intervention (the SHADE program) to an already established substance abuse program.

**Funding:** Australian Rotary Health Research Fund

**Date commenced:** January 2011

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/improving-co-morbidity-treatment-within-residential-substance-abuse-randomized-trial-0>

### iTreAD Project (Internet Treatment for Alcohol and Depression)

**NDARC staff:** A/Prof Frances Kay-Lambkin, Jenny Geddes, Julia Rosenfeld, Kellie Cathcart, Sally Hunt, Prof Maree Teesson, Mark Deady & Dr Louise Thornton

**Other investigators:** Prof Amanda Baker (University of Newcastle), Prof Kathleen Brady (Medical University of South Carolina, United States), A/Prof Terry Lewin (University of Newcastle) & Prof Bonnie Spring (Northwestern University, Illinois, United States)

**Project description:** This project will conduct the first randomised controlled trial of an internet delivered treatment for comorbid depression and binge drinking in young people aged 18-30 years, augmented with social networking support.

**Funding:** NHMRC Project Grant

**Date commenced:** August 2014

**Expected date of completion:** June 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/itread-project-internet-treatment-alcohol-and-depression>

### Opioid substitution therapy among chronic pain patients dependent on opioid medications: Current utilisation, barriers and opportunities

**NDARC staff:** Prof Louisa Degenhardt, Dr Briony Larance, Dr Suzanne Nielsen & Gabrielle Campbell

**Other investigators:** A/Prof Raimondo Bruno (University of Tasmania) & Prof Nicholas Lintzeris (University of Sydney; South Eastern Sydney Local Health District)

**Project description:** This study examines the utilisation of opioid substitution therapy among a large community sample of chronic non-cancer pain patients receiving long-term opioid therapy.

**Funding:** Reckitt Benckiser Australia contract research

**Date commenced:** March 2014

**Expected date of completion:** October 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/opioid-substitution-therapy-among-chronic-pain-patients-dependent-opioid-medications-current>

### Pharmaceutical opioid analgesic (POA) dependence and treatment responses

**NDARC staff:** Dr Suzanne Nielsen

**Project description:** This project is a series of secondary data analysis being conducted as part of a NHMRC Early Career Fellowship. Using data from a series of randomized controlled trials we compared different aspects of treatment for heroin and prescription opioid users to better understand the unique treatment needs and treatment outcomes for pharmaceutical opioid users.

**Funding:** NHMRC training fellowship

**Date commenced:** December 2012

**Expected date of completion:** November 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/pharmaceutical-opioid-analgesic-poa-dependence-and-treatment-responses>

### Randomised controlled trial of a financial counselling intervention and smoking cessation assistance to reduce smoking in socioeconomically disadvantaged groups

**NDARC staff:** Prof Richard Mattick, Prof Michael Farrell, Dr Ryan Courtney, Emma Black, Veronica Boland, Danya Braunstein, Philip Clare, Jaimi Iredale, Sundresan Naicker, Joel Tibbetts, Lauren Touyz & Emily Upton

**Other investigators:** Dr Kristy Martire (School of Psychology, UNSW), Dr Billie Bonevski (University of Newcastle), Prof Ron Borland (Cancer Council Victoria), Prof Christopher Doran (University of Newcastle) & Prof Wayne Hall (University of Queensland)

**Collaborators:** Prof Mohammad Siahpush (University of Nebraska, United States), Laureate Prof Robert Sanson-

Fisher (University of Newcastle) & Prof Robert West (University College London, United Kingdom)

**Project description:** Socioeconomically disadvantaged groups are more likely to smoke than other sectors of the community. This difference has been attributed, in part, to increased rates of relapse. Relapse is strongly and consistently predicted by financial stress. This project attempts to reduce relapse by reducing financial stress among disadvantaged smokers through the provision of financial counselling as an adjunct to Nicotine Replacement Therapy (NRT).

**Funding:** NHMRC

**Date commenced:** January 2012

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/randomised-controlled-trial-financial-counselling-intervention-and-smoking-cessation-0>

### Telephone Counselling for Non-Tobacco Substance Use

**NDARC staff:** Dr Peter Gates, Prof Jan Copeland & Lucy Albertella

**Project description:** Telephone counselling for illicit drug use and for alcohol use is a widespread practice. There has been no previous review of literature evaluating this practice and to date effectiveness has been taken as prima facie. This paper reviews the literature including articles with information on the use of telephone counselling for the treatment of illicit drug or alcohol use.

**Date commenced:** May 2014

**Expected date of completion:** February 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/telephone-counselling-non-tobacco-substance-use>

### Treating substance use and traumatic stress among adolescents: A pilot study

**NDARC staff:** A/Prof Katherine Mills, Dr Emma Barrett, Dr Joanne Ross, Prof Maree Teesson, A/Prof Tim Slade & Erin Kelly

**Other investigators:** Dr Vanessa Cobham (University of Queensland), Ann Wignall (Northern Sydney Local Health District) & Prof Sudie Black (Medical University of South Carolina, United States)

**Project description:** This study will conduct a Phase I pilot study of an innovative, exposure-based treatment for substance use and traumatic stress among adolescents: Concurrent treatment of PTSD and substance use using Prolonged Exposure – Adolescents (COPE-A).

**Funding:** NSW Health Drug and Alcohol Research Grant

**Date commenced:** January 2014

**Expected date of completion:** April 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/treating-substance-use-and-traumatic-stress-among-adolescents-pilot-study>

## Patterns of alcohol and drug use

### A longitudinal study of cannabis use, schizotypy and attentional inhibition

**NDARC staff:** Lucy Albertella & Prof Jan Copeland

**Other investigators:** Dr Mike Le Pelley (School of Psychology, UNSW)

**Project description:** This project is a longitudinal study to determine how cannabis use, schizotypy and attention are temporally related in a sample of 14-24 year-olds. This will allow a better understanding how these factors may interact to increase the risk for psychotic disorders.

**Date commenced:** March 2013

**Expected date of completion:** February 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/longitudinal-study-cannabis-use-schizotypy-attentional-inhibition>

### Cannabis Cohorts Research Consortium (CCRC)

**NDARC staff:** Dr Delyse Hutchinson, Prof Richard Mattick, Dr Edmund Silins, Prof Jan Copeland, Prof Louisa Degenhardt, A/Prof Tim Slade & Dr Wendy Swift

**Other collaborators:** Prof Steve Allsop (Curtin University), Dr Rohan Borschmann (University of Melbourne), A/Prof Raimondo Bruno (University of Tasmania), Ms Carolyn Coffey (University of Melbourne), Prof David Fergusson (University of Otago, New Zealand), Prof Wayne Hall (University of Queensland), A/Prof John Horwood (University of Otago), Dr Primrose Letcher (Royal Children's Hospital, Melbourne), Prof Jake Najman (University of Queensland), Dr Craig Olsson (Deakin University), Prof George Patton (University of Melbourne), Dr Maria Plotnikova (University of Queensland), Dr Rachel Skinner (University of Western Australia), Ms Elizabeth Spry (University of Melbourne), Dr Robert Tait (Curtin University; Australian National University), Prof John Toumbourou (Deakin University) & Dr George Youssef (Monash University)

**Affiliates:** Dr Andrew Percy (Queens University, Ireland), Prof Ann Sanson (University of Melbourne) & A/Prof Jenny Williams (University of Melbourne)

**Project description:** The Cannabis Cohort Research Consortium (CCRC) is a collaboration which stemmed from the need to better address pressing questions about the relationship between cannabis, other drug use, life-course outcomes and mental health in children and young adults. The CCRC is a multi-organisational and multi-disciplinary international collaboration of researchers which consists of highly experienced individuals with expert knowledge from across the disciplines of psychiatry, psychology, child and adolescent health, cannabis and other substance use, biomedicine, health and development, prevention, intervention and knowledge translation.

**Funding:** NDARC and NHMRC Project Grant

**Date commenced:** 2006

**Expected date of completion:** Ongoing collaboration

**Project website:** <https://ndarc.med.unsw.edu.au/project/cannabis-cohort-research-consortium-ccrc>

### Childhood physical abuse amongst regular drug users

**NDARC staff:** Prof Shane Darke, Michelle Torok & Dr Sharlene Kaye

**Other investigators:** Dr Fiona Shand (Black Dog Institute, UNSW)

**Project description:** This body of work examines the extent and nature of childhood physical abuse amongst regular drug users and its relationship to later drug use and violence.

**Funding:** Australian Government Department of Health and Ageing

**Date commenced:** 2012

**Expected date of completion:** 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/childhood-physical-abuse-amongst-regular-drug-users>

### Drugs and New Technologies (DNeT)

**NDARC staff:** Joe Van Buskirk, Amanda Roxburgh & A/Prof Lucinda Burns

**Collaborators:** Dr Raimondo Bruno (University of Tasmania) & David Décary-Héту (Université de Lausanne, Switzerland)

**Project description:** The Drugs and New Technologies (DNeT) project aims to investigate drug marketplaces online and in other emerging technologies. It aims to assess and quantify the online availability of drugs, including both traditional and emerging substances.

**Funding:** Australian Government Department of Health

**Date commenced:** September 2012

**Expected date of completion:** Ongoing project

**Project website:** <http://ndarc.med.unsw.edu.au/project/drugs-and-new-technologies-dnet>

### Ecstasy and Related Drugs Reporting System (EDRS)

**NDARC staff:** A/Prof Lucinda Burns, Natasha Sindich, Jenny Stafford, Kerry Butler, Rachel Sutherland, Elizabeth Whittaker & Gavin Entwistle

**Other investigators:** Paul Dietze, Arthur Truong (Burnet Institute), Raimondo Bruno, Allison Matthews (University of Tasmania), Rosa Alati, Fairlie McIlwraith, Sophie Hickey (University of Queensland), Simon Lenton & Marina Nelson (Curtin University)

**Project description:** The Ecstasy and Related Drugs Reporting System (EDRS) is a national monitoring system for ecstasy and related drugs that is intended to serve as a strategic early warning system, identifying emerging trends of local and national interest in the markets for these drugs.

**Funding:** Australian Government Department of Health

**Date commenced:** January 2003

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/ecstasy-and-related-drugs-reporting-system-edrs>

### Global Burden of Disease (GBD) study

**NDARC staff:** Prof Louisa Degenhardt

**Other investigators:** Prof Harvey Whiteford, Dr Amanda Baxter, Fiona Charlson, Alize Ferrari, Holly Erskine, Roman Scheurer & Prof Wayne Hall (University of Queensland), Prof Christopher Murray, Prof Theo Vos, A/Prof Mohsen Naghavi & Prof Alan Lopez (GBD core team; University of Washington, United States)

**Project description:** Global Burden of Disease analysis provides comprehensive and comparable data on mortality and loss of health due to diseases, injuries and risk factors for all regions of the world.

**Funding:** NHMRC Fellowship (for Prof Degenhardt)

**Date commenced:** July 2007

**Expected date of completion:** Ongoing project

**Project website:** <http://ndarc.med.unsw.edu.au/project/global-burden-disease-mental-disorders-and-illicit-drug-use-expert-group>

### How is self-monitoring of behaviour affected in heavy drinkers?

**NDARC staff:** Dr Janette Smith & Prof Richard Mattick

**Other investigators:** Mr Christopher Sufani (School of Psychology, UNSW)

**Project description:** In this study, we examine performance monitoring in detail in young heavy drinkers, using both behavioural and brain functional measures.

**Funding:** Australian Rotary Health Postdoctoral Fellowship

**Date commenced:** May 2013

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/how-self-monitoring-behaviour-affected-heavy-drinkers>

### Illicit Drug Reporting System (IDRS)

**NDARC staff:** A/Prof Lucinda Burns, Natasha Sindich, Jenny Stafford, Kerryn Butler, Rachel Sutherland & David McKell

**Other investigators:** Chris Moon (Department of Health and Community Services), Prof Rosa Alati, Dr Fairlie McIlwraith (Queensland Alcohol and Drug Research and Education Centre), A/Prof Raimondo Bruno, Barbara de Graaff (University of Tasmania), Simon Lenton, James Fetherston (National Drug Research Institute), Prof Paul Dietze & Shelley Cogger (Burnet Institute Victoria)

**Affiliates:** Queensland Alcohol and Drug Research and Education Centre, University of Tasmania, Macfarlane Burnet Institute for Medical Research and Public Health, National Drug Research Institute & NT Government Department of Health and Community Services

**Project description:** The Illicit Drug Reporting System (IDRS) is a national illicit drug monitoring system intended to serve as a strategic early warning system, identifying emerging trends of local and national concern in illicit drug markets. The IDRS consists of three components: interviews with people who inject drugs (PWID) regularly; interviews with key experts (KEs), who are professionals who have knowledge of drug trends and/or regular contact with users through their work; and analysis and examination of indicator data sources related to illicit drugs. The IDRS monitors the price, purity, availability and patterns of use of heroin, methamphetamine, cocaine and cannabis. The IDRS is

designed to be sensitive to trends, providing data in a timely manner, rather than describing issues in detail.

**Funding:** Australian Government Department of Health

**Date commenced:** January 1997

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/illicit-drug-reporting-system-idrs>

### Improving GP prescribing of pharmaceutical opioids

**NDARC staff:** Prof Anthony Shakeshaft, Dr Briony Larance & Prof Louisa Degenhardt

**Other investigators:** Dr Simon Holliday (Albert St Medical Centre), Dr Fiona Shand (Black Dog Institute, UNSW), Dr David Gorman (St George Hospital) & Dr Denis Petrie (University of Melbourne)

**Project description:** This project involves a pilot trial of the cost-effectiveness of two interventions to improve GPs' prescribing pharmaceutical opioids.

**Funding:** NSW Ministry of Health, Mental Health and Drug and Alcohol Office

**Date commenced:** June 2013

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/improving-gp-prescribing-pharmaceutical-opioids>

### International trends over time in the prevalence and harms of alcohol and cannabis use: What is the evidence for the closing gender gap?

**NDARC staff:** A/Prof Tim Slade, Dr Cath Chapman, Zoe Tonks, Dr Wendy Swift & Prof Maree Teesson

**Project description:** Men have traditionally reported higher rates of alcohol and other substance use than women, however there is emerging evidence that women's levels of substance use may be 'catching up' to men's. This study involves a comprehensive review of the international literature to assess if there is evidence for a closing gender gap in the prevalence and harms of alcohol and cannabis use.

**Date commenced:** January 2013

**Expected date of completion:** June 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/international-trends-over-time-prevalence-and-harms-alcohol-and-cannabis-use-what-evidence>

### Investigating the relationships between alcohol and other drug use, mental health, early-life factors and life-course outcomes: Integrative analyses of data from four Australasian cohort studies

**NDARC staff:** Prof Richard Mattick, Dr Delyse Hutchinson, Dr Edmund Silins, Prof Louisa Degenhardt & Dr Wendy Swift

**Other investigators:** A/Prof John Horwood, Prof David Fergusson (University of Otago, New Zealand), Prof Jackob Najman (University of Queensland), Prof George Patton (University of Melbourne), Prof John Toumbourou (Deakin University), Dr Carolyn Coffey (University of Melbourne), Dr Craig Olsson (University of Melbourne; Deakin University), Dr Elizabeth Spry (University of Melbourne), A/Prof Raimondo

Bruno (University of Tasmania), Dr Robert Tait (Curtin University), Dr Rohan Borschmann, Dr Louise Canterford (University of Melbourne), Dr Maria Plotnikova (University of Queensland) & Dr George Youssef (Monash University)

**Project description:** This study will use a highly innovative approach to pool data from four large and long-running Australasian cohort studies to better understand the developmental precursors and psychosocial consequences of teen drinking behaviours. Findings will provide dramatically improved knowledge of the developmental pathways to teen and young adult drinking and a clearer picture of the total burden of disease attributable to alcohol in an Australasian setting.

**Funding:** NHMRC

**Date commenced:** 2011

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/investigating-relationships-between-cannabis-and-other-drug-use-mental-health-early-life>

### National Illicit Drug Indicators Project (NIDIP)

**NDARC staff:** A/Prof Lucinda Burns & Amanda Roxburgh

**Project description:** NIDIP was established in the recognition that there was a greater need for the regular dissemination of trends in the epidemiology of drug-related harms in Australia. The benefits of NIDIP include the enhanced dissemination of information on trends in harms related to opioid and psychostimulant use and use of prescription drugs, and a greater evidence base for the development of policy responses and interventions in relation to these harms. NIDIP also provides comparable monitoring of trends at an international level.

**Funding:** Australian Government Department of Health

**Date commenced:** June 2002

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/national-illicit-drug-indicators-project-nidip>

### National Opioid Medications Abuse Deterrence (NOMAD) study

**NDARC staff:** Prof Louisa Degenhardt, Dr Briony Larance, Prof Michael Farrell, Ivana Kihlas, Toni Hordern & Elena Cama

**Associate investigators (NDARC):** Gabrielle Campbell, Dr Suzanne Nielsen & Prof Richard Mattick

**Other investigators:** Chief investigators: A/Prof Raimondo Bruno (University of Tasmania), A/Prof Robert Ali (University of Adelaide) & A/Prof Nicholas Lintzeris (South East Sydney Local Health District; University of Sydney); Associate Investigators: Dr Apo Demirkol (The Langton Centre; University of Sydney), A/Prof Adrian Dunlop (Hunter North East Local Health District), Prof Paul Haber (Royal Prince Alfred Hospital; University of Sydney), Amy Peacock (University of Tasmania), Dr Nghi Phung (South West Sydney Local Health District) & Dr Nancy White (University of Adelaide)

**Advisory committee:** Dr Michael Aufgang (General Practitioner, private practice), Ms Nicky Bath (NSW Users and AIDS Association), Ms Lesley Brydon (Pain Australia),

Dr Malcolm Dobbin (VIC Department of Health), Dr Angella Duvnjak (Team Leader for the AIVL Hepatitis C & other BBVs and STIs program), Dr Marianne Jauncey (Sydney Medically Supervised Injecting Centre), Mr Robert Kemp (Queensland Health), Prof Ann Roche (Flinders University) & Dr Hester Wilson (General Practitioner & The Langton Centre)

**Project description:** An 'abuse-deterrent' (or 'tamper-resistant') formulation of OxyContin® tablets was introduced onto the Australian market in April 2014. This project will examine the level of extra-medical use of oxycodone in Australia and how it compares to extra-medical use of other opioids, whether there is less non-medical use of Reformulated OxyContin®, how pharmaceutical opioid use changes following the introduction of new opioid formulations to the market, and long-term outcomes for regular non-medical users of pharmaceutical opioids.

**Funding:** Mundipharma Untied Educational Grant

**Date commenced:** September 2013

**Expected date of completion:** 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/national-opioid-medications-abuse-deterrence-nomad-study>

### Non-medical use of prescription stimulants by Australian university students: Attitudes, prevalence

**NDARC staff:** Dr Sharlene Kaye & Prof Michael Farrell

**Other investigators:** A/Prof Jayne Lucke, Dr Bradley Partridge (University of Queensland), Dr Matthew Dunn (Deakin University), Prof Wayne Hall (University of Queensland) & Dr Eric Racine (Institut de Recherches Cliniques de Montréal, Canada)

**Project description:** This project examines non-medical use of prescription stimulant drugs among Australian university students. It will, for the first time in Australia, comprehensively examine attitudes, prevalence, patterns and consequences of use, and motivations for non-medical use. This study will also shed light on the use of stimulants for cognitive-enhancing purposes, whether this is a problematic trend in Australia and what should be done to protect the health of young people in this regard.

**Funding:** ARC Discovery Project Grant

**Date commenced:** March 2013

**Expected date of completion:** March 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/non-medical-use-prescription-stimulants-australian-university-students-attitudes-prevalence>

### Pharmaceutical opioid prescription for chronic pain in Australia: Trajectories of prescribing, risk of adverse events and predictors of harm (The POINT Study)

**NDARC staff:** Prof Louisa Degenhardt, Prof Michael Farrell, Prof Richard Mattick, Dr Briony Larance, Dr Suzanne Nielsen, Gabrielle Campbell, Bianca Hoban, Kimberley Smith & Ranira Moodley

**Other investigators:** Dr Fiona Shand (Black Dog Institute, UNSW), Prof Wayne Hall (University of Queensland), A/Prof Milton Cohen (St Vincent's Hospital), A/Prof Nicholas Lintzeris (University of Sydney; South East Sydney and

Illawarra Area Health) & A/Prof Raimondo Bruno (University of Tasmania)

**Collaborators:** A/Prof Fiona Blyth (University of Sydney), Ms Lesley Brydon (Pain Australia Limited), Ms Elizabeth Carrigan (Australian Pain Management Association Inc.), Dr Malcolm Dobbin (Department of Health, Victoria), Prof Julia Fleming (The Professor Tess Cramond Multidisciplinary Pain Centre), Prof Roger Goucke (University of Western Australia), Dr Simon Holliday (Albert St Medical Centre), Mr Denis Leahy (Pharmacy Guild of Australia, NSW Branch), A/Prof Andrea Mant (Public Health and Community Medicine, UNSW), Prof Jake Najman (University of Queensland), Dr Milana Votrubeč (Avenue Road Medical Practice) & Prof Jason White (University of South Australia)

**Project description:** There has been a recent increase in the prescribing of pharmaceutical opioids in Australia, which has led to increasing professional and public concern about the use and harms that may be related to such use. Despite this, very little is known about the magnitude of risk for adverse events. This study is to be the first Australian study to examine the patterns of prescribing for individual patients, and the outcomes for these patients in the longer term.

**Funding:** NHMRC project grant

**Date commenced:** January 2012

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/point-study-pain-and-opioids-treatment>

### The POPPY Project: Investigating the use of prescribed opioids in Australia

**NDARC staff:** Prof Louisa Degenhardt, A/Prof Lucinda Burns, Dr Natasa Gisev, Dr Briony Larence & Dr Sarah Larney

**Other investigators:** A/Prof Sallie Pearson & Ms Bianca Blanch (University of Sydney)

**Project description:** This research project seeks to examine the patterns and costs of Pharmaceutical Benefits Scheme-subsidised opioid use, including extra-medical use, in the Australian population.

**Funding:** NHMRC

**Date commenced:** September 2013

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/poppy-project-investigating-use-prescribed-opioids-australia>

### Pulmonary granulomatosis amongst injecting drug users

**NDARC staff:** Prof Shane Darke & Michelle Torok

**Other investigators:** Prof Johan Duflo (Sydney South West Area Health Service; School of Medical Sciences, UNSW; University of Sydney)

**Project description:** The injection of tablet preparations has increased markedly in recent years. Such behaviours may result in particles of tablet preparations becoming lodged in the pulmonary vasculature, which may result in pulmonary hypertension and heart failure. This study aims to determine the number of cases of sudden or unnatural deaths in which pulmonary granulomatosis was

diagnosed, and the medical consequences of pulmonary granulomatosis.

**Funding:** Australian Government Department of Health and Ageing; NSW Health Department

**Date commenced:** 2013

**Date of completion:** 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/pulmonary-granulomatosis-amongst-injecting-drug-users>

### The RADAR Project: Identifying early warning signals on the pathways to alcohol use disorder

**NDARC staff:** A/Prof Tim Slade, Dr Wendy Swift, Prof Richard Mattick, Dr Louise Mewton, Prof Maree Teesson & Dr Delyse Hutchinson

**Other investigators:** Prof Kypros Kypri (University of Newcastle), Prof Michael Lynskey (King's College London, United Kingdom), A/Prof Raimondo Bruno (University of Tasmania) & A/Prof Rosa Alati (University of Queensland)

**Project description:** Harmful alcohol consumption, particularly alcohol use disorder (AUD), is a worldwide health priority, contributing substantially to global morbidity and mortality. The RADAR project draws together a team of researchers with experience in longitudinal cohort research to examine the prospective development of AUD symptoms over the adolescent years.

**Funding:** UNSW Goldstar Near-miss NHMRC project grant (2013 & 2015)

**Date commenced:** January 2013

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/radar-project-identifying-early-warning-signals-pathways-alcohol-use-disorder>

### Understanding the health and service needs of diverse populations of pharmaceutical opioid users: Cohort studies of dependent users in treatment and people who inject drugs

**NDARC staff:** Dr Suzanne Nielsen, Dr Briony Larence, Prof Louisa Degenhardt, Prof Michael Farrell, Prof Richard Mattick, A/Prof Lucinda Burns & Gabrielle Campbell

**Other investigators:** A/Prof Nicholas Lintzeris (South East Sydney and Local Health District), Prof Milton Cohen (St Vincent's Hospital, Sydney), A/Prof Raimondo Bruno (University of Tasmania), Dr Jennifer Johnson (University Centre for Rural Health), Amanda Brown (Hunter New England Local Health District) & Ian Flaherty (Sydney Medically Supervised Injecting Centre)

**Collaborators:** Dr Apo Demirkol (South East Sydney Local Health District), Dr Glenys Dore (Northern Sydney Drug and Alcohol Service), Prof Paul Haber (University of Sydney; Royal Prince Alfred Hospital Drug Health Services), Dr Mark Hardy (Northern Sydney Drug and Alcohol Service), Dr David Helliwell (Northern New South Wales Local Health District), Dr Simon Holliday (Hunter New England Local Health District), Ms Jennie Houseman (Northern Sydney Drug and Alcohol Service), Mr Stephen Ling (Hunter New England Local Health District), Dr Paul McGeown (Northern New South Wales Local Health District), Dr Bridin Murnion (University of Sydney; Royal Prince Alfred Hospital Drug

Health Services), Dr Nghi Phung (Western Sydney Local Health District), Dr Craig Sadler (Hunter New England Local Health District) & Dr Catherin Silsbury (Western Sydney Local Health District)

**Project description:** This project will provide crucial new data on the nature and trajectories of pharmaceutical opioid (PO) use through the study and follow-up of two very different and yet extremely important groups of pharmaceutical opioid users – those attending treatment services for PO dependence, and people who inject drugs (PWID). These two groups are likely to account for a significant proportion of pharmaceutical opioid consumption and a disproportionate amount of harm related to pharmaceutical opioids in Australia.

**Funding:** Mental Health and Drug and Alcohol Office

**Date commenced:** 2012

**Expected date of completion:** April 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/understanding-health-and-service-needs-diverse-populations-pharmaceutical-opioid-users>

### The use of anabolic-androgenic steroids (AAS) and other performance and image enhancing drugs (PIEDs): Patterns of use, motivations and opportunities for intervention

**NDARC staff:** Prof Louisa Degenhardt, Dr Briony Larance, A/Prof Lucinda Burns, Prof Jan Copeland, Prof Michael Farrell & Ranira Moodley

**Project description:** This study aims to describe the current patterns of anabolic-androgenic steroids (AAS) and other performance and image enhancing drugs (PIEDs) use; to examine how PIEDs users are currently sourcing these drugs and their views of current trends in price, purity and availability; to examine the motivations for use and PIEDs users' perceptions of benefits and risks; to document current health service utilization and information-seeking; and to examine the correlates of risky patterns of use and experience of harms.

**Funding:** Australian Government Department of Health

**Date commenced:** August 2014

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/use-anabolic-androgenic-steroids-aas-and-other-performance-and-image-enhancing-drugs-pieds>

### Young Australians Alcohol Reporting System (YAARS)

**NDARC staff:** Prof Richard Mattick, A/Prof Lucinda Burns & Alexandra Aiken

**Other investigators:** Prof Steve Allsop (Curtin University), Prof Daniel Lubman (Turning Point Alcohol and Drug Centre; Monash University), A/Prof Tanya Chikritzhs (Curtin University), William Gilmore (Curtin University), Dr Belinda Lloyd (Turning Point Alcohol and Drug Centre) & Dr Tina Lam (Curtin University)

**Project description:** This project will provide an early warning system on risky patterns of alcohol consumption in young people, contexts of use and related harms that will also allow tracking of changes in use and harm over

time; and timely information on patterns of use and related problems to inform policy, prevention and treatment initiatives.

**Funding:** Curtin University/ANPHA Preventive Health Research Grants Program Shared Grant

**Date commenced:** September 2012

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/young-australians-alcohol-reporting-system-yaars>

## Prevention and early intervention

### Can parents teach their children to drink alcohol responsibly? Or, is one drop a drop too many? (Drinking and Teens project)

**NDARC staff:** Prof Richard Mattick, A/Prof Tim Slade, Dr Delyse Hutchinson, Dr Monika Wadolowski & Alexandra Aiken

**Other investigators:** Prof Jakob Najman (University of Queensland), Prof Kypros Kypri (University of Newcastle), A/Prof Raimondo Bruno (University of Tasmania) & Dr Nyanda McBride (Curtin University)

**Project description:** This study will research the consequences of parental supply within the broader context of parent, child and peer relationships. It will help to determine how parental supply influences the different patterns of adolescent alcohol consumption over time, providing essential information to help parents prevent alcohol misuse in their children.

**Funding:** Australian Research Council – Discovery Project; Australian Rotary Health Mental Health Research Grant; Australian Rotary Health Whitcroft Family PhD Scholarship; Foundation for Alcohol Research & Education; Australian Federal Government Australian Postgraduate Award

**Date commenced:** September 2010

**Expected date of completion:** December 2017

**Project website:** <https://ndarc.med.unsw.edu.au/project/can-parents-teach-their-children-drink-alcohol-responsibly-or-one-drop-drop-too-many>

### The CAP study: Combining effective universal and targeted approaches to drug prevention

**NDARC staff:** Prof Maree Teesson, Dr Nicola Newton, A/Prof Tim Slade, Katrina Champion, Natasha Nair, Dr Emma Barrett, Erin Kelly, Julia Rosenfeld, Lucie Swaffield & Dr Natacha Carragher

**Other investigators:** A/Prof Patricia Conrod (King's College London, United Kingdom; University of Montreal, Canada)

**Affiliates:** Prof Gavin Andrews (Clinical Research Unit for Anxiety and Depression, UNSW), Prof Ron Rapee & A/Prof Nick Titov (Macquarie University)

**Project description:** This project seeks to develop and evaluate a comprehensive approach to preventing substance use and related harms in adolescents by combining effective 'universal' and 'targeted' school-based prevention programs. The proposed model, known as the CAP (Climate and Preventure) intervention, builds on our unique success in this area through developing the effective universal Climate and targeted Preventure programs.

**Funding:** NHMRC Project Grant

**Date commenced:** January 2011

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/combining-universal-and-targeted-drug-prevention-approaches>

### The Climate Schools Combined (CSC) study: Internet-based prevention for anxiety, depression and substance use in young Australians

**NDARC staff:** Prof Maree Teesson, Dr Nicola Newton, A/Prof Tim Slade, Dr Cath Chapman, Zoe Tonks, Louise Birrell, Brad Shaw, Dr Louise Mewton, Dr Emma Barrett & A/Prof Frances Kay-Lambkin

**Other investigators:** Prof Gavin Andrews (Clinical Research Unit for Anxiety and Depression, UNSW), Prof Pat McGorry (Orygen Youth Health Research Centre), Prof Steve Allsop (Curtin University), Dr Nyanda McBride (Curtin University), Dr Leanne Hides (Queensland University of Technology), Dr Rebecca McKetin (Australian National University) & Dr Jo Robinson (Orygen Youth Health Research Centre)

**Project description:** This study aims to evaluate an integrative approach known as the CLIMATE Schools Combined (CSC) intervention, which includes the evidence-based 'universal' CLIMATE Schools Substance Use course and the 'universal' CLIMATE Schools Mental Health course. The CSC study will be the first trial to develop an integrative model for dissemination in schools across Australia.

**Funding:** NHMRC Targeted Mental Health Grant

**Date commenced:** August 2013

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/climate-schools-combined-csc-study-internet-based-prevention-anxiety-depression-and>

### The CSI Study: A cluster randomised controlled trial of the internet-based Climate Schools: Ecstasy and Emerging Drugs Module

**NDARC staff:** Katrina Champion, Dr Nicola Newton & Prof Maree Teesson

**Project description:** The aim of the CSI Study is to evaluate whether an online, school-based prevention program, known as the Climate Schools: Ecstasy and Emerging Drugs Module, can address and prevent the use of ecstasy and new and emerging drugs (NEDs) among Australian students.

**Funding:** National Health and Medical Research Council Postgraduate Research Scholarship, Australian Government Department of Health

**Date commenced:** January 2013

**Expected date of completion:** August 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/csi-climate-schools-interactive-study-cluster-randomised-controlled-trial-internet-based>

### Development of Positive Choices, an online portal of drug education resources for school communities

**NDARC staff:** Dr Lexine Stapinski, Dr Nicola Newton, Bill Reda, Prof Maree Teesson, Dr Cath Chapman & A/Prof Frances Kay-Lambkin

**Other investigators:** Dr Nyanda McBride & Prof Steve Allsop (Curtin University)

**Collaborators:** Australian Government Department of Health, Netfront Web Developers

**Project description:** The aim of this project is to develop, evaluate and launch the online portal *Positive Choices* to deliver information and school-based programs aimed at preventing alcohol and illicit drug use and related harms.

**Funding:** Australian Government Department of Health

**Date commenced:** September 2013

**Expected date of completion:** March 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/development-online-portal-drug-education-resources-school-communities>

### Evaluation of the CAYLUS youth worker brokerage program

**NDARC staff:** Dr Christina Marel, Prof Maree Teesson, A/Prof Katherine Mills, Prof Anthony Shakeshaft & Ms Miriam Wyzenbeek

**Other investigators:** Dr Fiona Shand (Black Dog Institute, UNSW)

**Collaborators:** Central Australian Youth Link Up Service (CAYLUS)

**Project description:** The Central Australian Youth Link Up Service (CAYLUS) supports community initiatives aimed at reducing the supply of, demand for and harms associated with substance misuse among young people across Central Australia. Researchers will assist CAYLUS in establishing a rolling monitoring and evaluation process for the activities it runs through the Youth Worker Brokerage Program, specifically examining the impact of its programs and activities on local level community crime and petrol sniffing.

**Funding:** Contract research for Central Australia Youth Link-Up Service (CAYLUS), Tangentyere Council Inc.

**Date commenced:** April 2014

**Expected date of completion:** February 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/evaluation-caylus-youth-worker-brokerage-program>

### Impact of parental alcohol, tobacco and other substance use on infant development and family functioning (The Triple B Study: Bumps, Babies and Beyond)

**NDARC staff:** Dr Delyse Hutchinson, Prof Richard Mattick, A/Prof Lucinda Burns, Dr Judy Wilson, Dr Marian Shanahan, A/Prof Tim Slade, Dr Wendy Swift, Hannah Fiedler, Ingrid Honan, Clare McCormack & Larissa Rossen

**Other investigators:** Prof Steve Allsop (Curtin University), Prof Jake Najman (University of Queensland), Prof Elizabeth Elliot (University of Sydney), Dr Craig Olsson (Deakin

University), Dr Susan Jacobs (Royal Prince Alfred Hospital) & Anne Bartu (Curtin University)

**Project description:** The project is a longitudinal pregnancy cohort which examines a wide range of biopsychosocial factors that relate to the health and development of Australian children and families. Importantly, the project has a key focus on examining the impacts of substance use in pregnant women and their partners during the prenatal period on infant development and family functioning.

**Funding:** NHMRC Project Grant

**Date commenced:** January 2010

**Expected date of completion:** December 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/triple-b-bumps-babies-and-beyond>

## Drug Policy

### Alcohol consumption and health inequalities: The role of alcohol policy

**NDARC staff:** Dr Michael Livingston

**Other investigators:** Prof Robin Room (Monash University)

**Project description:** There has been little research into the complex interplay between alcohol and health inequalities or into whether alcohol policies can contribute to lessening (or increasing) health disparities between the rich and poor in Australia. This study aims to comprehensively investigate the association between alcohol and socio-economic status in Australia.

**Funding:** NHMRC Early Career Fellowship

**Date commenced:** February 2013

**Expected date of completion:** February 2017

**Project website:** <https://ndarc.med.unsw.edu.au/project/alcohol-consumption-and-health-inequalities-role-alcohol-policy>

### Cannabis policy and policing: User perceptions

**NDARC staff:** Dr Peter Gates & Prof Jan Copeland

**Collaborators:** Michael Balderstone (Nimbin Hemp Embassy, NSW)

**Project description:** This study examines the opinions and attitudes of cannabis users regarding cannabis drug policy and policing, or the perceived risk of arrest.

**Funding:** Australian Government Department of Health

**Date commenced:** January 2014

**Expected date of completion:** February 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/cannabis-policy-and-policing-user-perceptions-0>

### Centre of Research Excellence in Injecting Drug Use (CREIDU): Reducing the health, social and economic burden of injecting drug use in Australia

**NDARC staff:** Prof Alison Ritter

**Other investigators:** Prof Margaret Hellard, Prof Paul Dietze (Burnet Institute), Prof Gregory Dore (The Kirby Institute, UNSW), Dr Stuart Kinner (Burnet Institute), Prof

Dan Lubman (Monash University), Prof Lisa Maher (The Kirby Institute, UNSW), Prof David Moore (Curtin University), Prof Robert Power (Burnet Institute) & Prof Gail Williams (University of Queensland)

**Project summary:** This Centre for Research Excellence is focussed on injecting drug use and draws together a number of innovative studies about injecting drug use, and provides seed funds for new projects. The Centre provides a mechanism for research translation to key stakeholders including consumers, policy makers and practitioners.

**Funding:** NHMRC Centres of Research Excellence

**Date commenced:** October 2010

**Expected date of completion:** September 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/reducing-health-social-and-economic-burden-injecting-drug-use-australia>

### Centre of Research Excellence in Mental Health Systems Improvement (CREMSI)

**NDARC staff:** Prof Louisa Degenhardt, Dr Emily Stockings & Angus Liu

**Other Investigators:** Prof Harvey Whiteford (University of Queensland), Prof Jane Pirkis (University of Melbourne), Prof Cathy Mihalopoulos (Deakin University), Prof Kathy Eagar (University of Wollongong), Prof Gavin Andrews (School of Psychiatry, UNSW), Prof Brian Head (University of Queensland), Prof Jane Gunn (University of Melbourne), Prof Wayne Hall (University of Queensland) & Prof George Patton (University of Melbourne)

**Collaborators:** University of Washington, United States; King's College London, United Kingdom

**Project description:** The Centre of Research Excellence in Mental Health Systems Improvement (CREMSI) was funded in 2012 by the National Health and Medical Research Council and is led by the University of Queensland. The overarching goal of the CRE is to design a model mental health service system for Australia that would optimally reduce the burden of mental disorders; and to provide a detailed analysis of how the model differs from the existing service system, including the identification of policy instruments and a knowledge transfer strategy that detail how to move from the existing system to the model system.

**Funding:** University of Queensland / NHMRC Centres of Research Excellence

**Date commenced:** November 2012

**Expected date of completion:** October 2017

**Project website:** <https://ndarc.med.unsw.edu.au/project/centre-research-excellence-mental-health-systems-improvement-cremsi>

### Marijuana markets – cross-cultural policy comparison

**NDARC staff:** Prof Alison Ritter & Dr Vendula Belackova

**Other investigators:** Dr Tomas Zabransky (Charles University, Czech Republic)

**Project description:** The main aim of this cross-cultural comparative study of marijuana markets in Australia, the United States (Florida) and the Czech Republic is to improve knowledge of what impacts different legal regimes have

on marijuana markets. The study will collect and analyse qualitative and quantitative data that will help to explain the patterns of marijuana markets and related risks to public health and public safety in response to different drug policy measures.

**Funding:** Endeavour Post-Graduate Fellowship

**Date commenced:** August 2014

**Expected date of completion:** January 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/marijuana-markets-cross-cultural-policy-comparison>

### Ongoing surveillance of the diversion and injection of the medications used in opioid substitution treatment

**NDARC staff:** Prof Richard Mattick, Prof Louisa Degenhardt & Dr Briony Laranca

**Other investigators:** A/Prof Nicholas Lintzeris (Sydney South West Area Health Service), A/Prof Robert Ali (Drug and Alcohol Services South Australia; Adelaide University), Dr Rebecca Jenkinson (Burnet Institute) & A/Prof Paul Dietze (Burnet Institute)

**Project description:** This ongoing surveillance of the diversion and injection of the pharmaceutical opioids used in opioid substitution treatment will build on the post-marketing studies of buprenorphine-naloxone (Suboxone® sublingual tablets) conducted by the National Drug and Alcohol Research Centre over the period from 2006-2008.

**Funding:** Reckitt Benckiser (Singapore)

**Date commenced:** October 2011

**Expected date of completion:** 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/ongoing-surveillance-diversion-and-injection-medications-used-opioid-substitution-treatment>

### Public health challenges and opportunities of internet technologies for the study of new and emerging psychoactive substance use and related health harms

**NDARC staff:** Dr Monica Barratt

**Project description:** This research examines the challenges and opportunities of internet technologies for understanding trends in new psychoactive substances (NPS) use and harms, using advanced epidemiological techniques, digital mixed-methods methodologies and participatory engagement.

**Funding:** NHMRC Early Career Research Fellowship

**Date commenced:** July 2014

**Expected date of completion:** June 2018

**Project website:** <https://ndarc.med.unsw.edu.au/project/public-health-challenges-and-opportunities-internet-technologies-study-new-and-emerging>

### The science-policy interface in policy theories: A comparative case study of street-level policing for illicit drugs

**NDARC staff:** Prof Alison Ritter, Dr Caitlin Hughes & Kari Lancaster

**Other investigators:** Prof Robert Hoppe (University of Twente, The Netherlands)

**Project description:** This study will shed light on how policy gets formed by police and what influences the policy formulation process. The study has the potential to provide significant new insights about the interface of science and policy, such that more effective drug policies become possible.

**Funding:** Australian Research Council – Discovery Project

**Date commenced:** March 2014

**Expected date of completion:** March 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/science-policy-interface-policy-theories-comparative-case-study-street-level-policing>

### Social construction and the evidence-based drug policy endeavour

**NDARC staff:** Kari Lancaster & Prof Alison Ritter

**Collaborators:** Prof Carla Treloar (Centre for Social Research in Health, UNSW)

**Project description:** A growing literature has been dedicated to better realising the goal of evidence-based drug policy: to maximise the use of the best quality research to inform policy decision-making and help answer the question of 'what works'. The question posed within this project is whether the conceptual shift offered by thinking about policy activity as a process of social construction may be valuable for beginning to explore different perspectives of the evidence-based drug policy endeavour.

**Funding:** Australian Postgraduate Award

**Date commenced:** March 2013

**Expected date of completion:** August 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/social-construction-and-evidence-based-drug-policy-endeavour>

### Understanding how high-level drug traffickers operate in Australia

**NDARC staff:** Matthew O'Reilly, Dr Caitlin Hughes & Dr Jenny Chalmers

**Project description:** In the illicit drug policy arena, understanding the nature of supply, demand and harm is of self-evident importance. Yet, both on the international and domestic front knowledge about those who supply the drugs (particularly high-level supply) remains slim. The aim of this study is to increase understanding about high-level drug trafficking and drug supply in Australia.

**Funding:** Australian Postgraduate Award; NDARC PhD Benefit Scheme

**Date commenced:** March 2014

**Expected date of completion:** July 2017

**Project website:** <https://ndarc.med.unsw.edu.au/project/understanding-how-high-level-drug-traffickers-operate-australia>

## Indigenous

### The effectiveness of a multi-component intervention for young people with multiple and complex needs

**NDARC staff:** Prof Anthony Shakeshaft & Alice Knight

**Other investigators:** Dr Anton Clifford (University of Queensland), Prof Komla Tsey, Dr Janya McCalman (James Cook University), Prof Christopher Doran, Kim Edmunds (Hunter Medical Research Institute), A/Prof Melissa Haswell-Elkins (School of Public Health and Community Medicine, UNSW), A/Prof Myfanwy Maple (University of New England) & Dr Alys Havard (Centre for Big Data Research in Health, UNSW)

**Collaborators:** Bernie Shakeshaft (BackTrack, Armidale)

**Project description:** This study aims to describe the characteristics of young people with multiple and complex needs; and report the outcomes of a multi-component intervention for young people with multiple and complex needs using self-reported, routinely collected, qualitative and economic data.

**Funding:** NHMRC

**Date commenced:** January 2013

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/the-effectiveness-of-a-multi-component-intervention-for-young-people-with-multiple-and-complex-needs>

### Preventing and treating drug and alcohol harms in remote communities

**NDARC staff:** Prof Anthony Shakeshaft & Alice Munro

**Collaborators:** A/Prof Melissa Haswell-Elkins (School of Public Health and Community Medicine, UNSW), Dr Julaine Allan (The Lyndon Community) & Orana Haven Corporation Drug and Alcohol Rehabilitation Centre

**Project description:** NDARC has been invited to work with the remote NSW communities of Bourke and Brewarrina to retrospectively evaluate a suite of interventions aimed at prevention of drug and alcohol harms from 2012-2014. This research will identify what projects were delivered, what they cost, if they were effective and how the process could be improved. In addition, this research will review an Aboriginal residential rehabilitation service in remote Western NSW.

**Funding:** Far West Medicare Local; Orana Haven Corporation Drug and Alcohol Rehabilitation Centre; Centre for Rural and Remote Mental Health (University of Newcastle)

**Date commenced:** March 2014

**Expected date of completion:** July 2017

**Project website:** <https://ndarc.med.unsw.edu.au/project/preventing-and-treating-drug-and-alcohol-harms-remote-communities>

### Reducing alcohol-related injury and violence in rural Aboriginal communities

**NDARC staff:** Prof Anthony Shakeshaft, Chiara Stone & Mieke Snijder

**Other investigators:** A/Prof Melissa Haswell Elkins (Muru Marri Indigenous Health Unit, UNSW), Stacey Meredith

(Griffith Aboriginal Medical Service), Joanne Clarke (Murrin Bridge Aboriginal Health Service), Prof Christopher Doran (University of Newcastle) & Dr Anton Clifford (University of Queensland)

**Project description:** This project will examine the cost-effectiveness of a community empowerment and positive reinforcement intervention for reducing alcohol-related injury and violence among Aboriginal people in three rural locations in NSW. Investigators will work with local Aboriginal Medical Services and other community-based organisations to develop, implement and evaluate the intervention in the locations.

**Funding:** NSW Health – Aboriginal Injury Prevention and Safety Demonstration Program

**Date commenced:** January 2014

**Expected date of completion:** October 2016

**Project website:** <https://ndarc.med.unsw.edu.au/project/reducing-alcohol-related-injury-and-violence-rural-aboriginal-communities>

## Criminal justice system

### Australian police diversion for cannabis offences: Assessing program outcomes and cost effectiveness

**NDARC staff:** Dr Marian Shanahan, Dr Caitlin Hughes & Matthew O'Reilly

**Collaborators:** Dr Tim McSweeney (University of London)

**Project description:** Using a purpose built national online survey this study will evaluate the effectiveness and cost-effectiveness of three different forms of police diversion for cannabis use/possession offenders (cautions, expiation and warnings) versus a traditional criminal justice system (CJS) response.

**Funding:** National Law Enforcement Research Fund (NDLERF)

**Date commenced:** March 2014

**Expected date of completion:** March 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/australian-policy-diversion-cannabis-offences-assessing-program-outcomes-and-cost>

### Determining the impact of opioid substitution therapy upon mortality and recidivism among prisoners: A 22-year data linkage study

**NDARC staff:** Prof Louisa Degenhardt, Prof Michael Farrell, Prof Richard Mattick, A/Prof Lucinda Burns, Dr Natasa Gisev, Dr Jo Kimber, Dr Sarah Larney, Dr Marian Shanahan & A/Prof Timothy Dobbins

**Other investigators:** Dr Don Weatherburn (NSW Bureau of Crime Statistics and Research), Prof Tony Butler (The Kirby Institute, UNSW), Prof Christopher Doran (University of Newcastle) & Dr Amy Gibson (University of Western Sydney)

**Collaborators:** NSW Aboriginal Health and Medical Research Council, Australian Institute of Health and Welfare, NSW Bureau of Crime Statistics and Research, NSW Corrective Services & NSW Health

**Project description:** This research will quantify the population-level impact of opioid substitution therapy on two important outcomes for opioid dependent prisoners: mortality, particularly in the post-release period, and criminal activity.

**Funding:** NHMRC Project Grant; Australian Institute of Criminology through the Criminology Research Grants Program

**Date commenced:** January 2011

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/determining-impact-opioid-substitution-therapy-upon-mortality-and-recidivism-among-prisoners>

### Maximising treatment participation among heroin users released from prison

**NDARC staff:** Dr Sarah Larney

**Other investigators:** Prof Josiah Rich (Brown University, United States)

**Collaborators:** Rhode Island Department of Corrections (United States)

**Project description:** This project aims to examine how opioid pharmacotherapy in prison affects the probability that someone will enter, and stay in, treatment after they are released from prison.

**Funding:** NHMRC Early Career Fellowship (Dr Sarah Larney); National Institutes of Health project grants (Prof Josiah Rich)

**Date commenced:** March 2012

**Expected date of completion:** March 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/maximising-treatment-participation-among-heroin-users-released-prison>

### Patient motivations, perceptions and experiences of opioid substitution treatment in prison

**NDARC staff:** Prof Kate Dolan, Dr Sarah Larney & Natasha Sindicich

**Other investigators:** Dr Deborah Zador (Justice Health and Forensic Mental Health Network)

**Project description:** There has been limited examination of how prisoners view and experience opioid substitution treatment (OST). This project aims to describe OST within NSW correctional centres and patient experiences of being in OST while in prison.

**Funding:** Justice Health and Forensic Mental Health Network

**Date commenced:** January 2012

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/patient-motivations-perceptions-and-experiences-opioid-substitution-treatment-prison>

### Review of HIV in prison: Prevalence, incidence, mortality and service provision

**NDARC staff:** Prof Kate Dolan

**Collaborators:** Babak Moazen, Atefeh Noori, Shadi Rahimzadeh, Farshad Farzadfar (Tehran University of Medical Sciences, Iran) & Fabienne Hariga (United Nations Office on Drugs and Crime, Austria)

**Project description:** The aim of this study is to collate data for all countries on the following variables: imprisonment rates, HIV prevalence among male, female, people who inject drugs, men who have sex with men, sex workers and transgender prisoners; HIV incidence and transmission in prison, AIDS mortality in prison; and the provision of eight HIV programs and seven HIV-related services for prison inmates. Opiate substitution treatment only was recorded for drug dependence treatment.

**Funding:** United Nations Office on Drugs and Crime

**Date commenced:** 2013

**Expected date of completion:** January 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/review-hiv-prison-prevalence-incidence-mortality-and-service-provision>

## International

### The effects of cognitive-behavioural therapy on methamphetamine use among women in methadone therapy in Tehran

**NDARC staff:** Prof Kate Dolan & Zahra Alam Mehrjerdi

**Other investigators:** A/Prof Nadine Ezard (St Vincent's Clinical School, UNSW) & Prof Azarakhsh Mokri (Tehran University of Medical Sciences, Iran)

**Collaborators:** Dr Pardis Nematollahi (Razi Clinical Pathology Laboratory, Iran)

**Project description:** Methadone maintenance treatment can prevent heroin use among women, but regular methamphetamine use has no pharmacological treatment and could result in treatment failure. The current research project identifies whether brief cognitive-behavioural therapy will be effective in reducing regular MA use among a group of women on a methadone program.

**Date commenced:** February 2014

**Expected date of completion:** February 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/effects-cognitive-behavioral-therapy-methamphetamine-use-among-women-methadone-therapy>

### Program of International Research and Training (PIRT)

**NDARC staff:** Prof Kate Dolan, Prof Michael Farrell, Dr David Allsop & Zahra Alam Mehrjerdi

**Other investigators:** Dr Alex Wodak & Dr Nadine Ezard (Alcohol and Drug Services, St. Vincent's Hospital, Sydney)

**Project description:** This program aims to facilitate research and training to minimise the harms from drug use and to increase the effectiveness of drug treatment internationally.

**Funding:** UNODC Vietnam, UNODC Myanmar and UNODC Head Office

**Date commenced:** March 2003

**Expected date of completion:** Ongoing project

**Project website:** <https://ndarc.med.unsw.edu.au/project/program-international-research-and-training-pirt>

### Toward a comprehensive picture of the epidemiology of alcohol and illicit drug use disorders: Novel analyses of the World Health Organization's World Mental Health Surveys

**NDARC staff:** Prof Louisa Degenhardt, A/Prof Tim Slade & Dr Luise Lago

**Other investigators:** Ronald Kessler, PhD (Harvard University School of Medicine, United States)

**Project Description:** In this study, we undertake detailed analyses of the WHO World Mental Health Survey, one of the largest cross-national epidemiologic study of mental and substance use disorders ever conducted (WMHS), containing data on around 160,000 participants from 31 countries.

**Funding:** NHMRC

**Date commenced:** November 2014

**Expected date of completion:** March 2018

**Project website:** <https://ndarc.med.unsw.edu.au/project/toward-comprehensive-picture-epidemiology-alcohol-and-illicit-drug-use-disorders-novel>

## Health economics

### Economic evaluation comparing centre-based compulsory drug rehabilitation with community-based methadone maintenance treatment in Hai Phong City, Vietnam

**NDARC staff:** Thu Vuong, Prof Alison Ritter & Dr Marian Shanahan

**Other investigators:** Prof Robert Ali (University of Adelaide), Dr Giang Le (Hanoi Medical University) & Dr Nhu Nguyen (FHI 360 Vietnam)

**Project description:** This study compares the cost-effectiveness of centre-based compulsory rehabilitation for substance abuse with community-based methadone maintenance treatment in Hai Phong City, Vietnam.

**Funding:** NDARC PhD scholarship, Endeavour PhD scholarship, Atlantic Philanthropies through FHI 360 in Vietnam

**Date commenced:** February 2012

**Expected date of completion:** September 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/economic-evaluation-comparing-centre-based-compulsory-drug-treatment-community-based>

### Economic evaluation of two alcohol interventions in an Indigenous community

**NDARC staff:** Ansari Abudeen & Prof Anthony Shakeshaft

**Other investigators:** Prof Chris Doran (University of Newcastle), Prof Komla Tsey, Dr Janya McCalman & Dr Roxanne Bainbridge (James Cook University)

**Project description:** This PhD research is jointly conducted with a current NHMRC-funded Assessing Cost Effectiveness Alcohol Indigenous project and seeks to evaluate the

economic impact of two alcohol interventions in a specific Indigenous community.

**Funding:** UNSW University International Postgraduate Award, FARE (2011-2012)

**Date commenced:** February 2011

**Expected date of completion:** April 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/economic-evaluation-two-alcohol-interventions-indigenous-community>

### Exploring the economic costs to family members affected by drug use: A discrete choice experiment

**NDARC staff:** Dr Marian Shanahan, Dr Jennifer Seddon & Prof Alison Ritter

**Project description:** This study aims to use a discrete choice experiment survey to quantify the impact of hypothetical treatment outcomes on family members who have been affected by the drug use of a relative.

**Funding:** NHMRC Project Grant

**Date commenced:** June 2014

**Expected date of completion:** June 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/exploring-economic-costs-family-members-affected-drug-use-discrete-choice-experiment>

### The value of providing health interventions for heroin use: A cost-benefit analysis

**NDARC staff:** Prof Alison Ritter, Prof Michael Farrell, Dr Marian Shanahan, Dr Phuong Hoang & Dr Jennifer Seddon

**Other investigators:** Prof Pascal Perez, Dr Nagesh Shukla & Vu Lam Cao (University of Wollongong)

**Project description:** Heroin use and associated harms can be reduced through effective treatment. Past research has shown that treatment for heroin dependence can be relatively cost-effective, but not whether heroin treatment overall is a good investment. This study will estimate the net social benefit of heroin treatment, taking into account health, crime but importantly also social and family consequences.

**Funding:** NHMRC Project Grant

**Date commenced:** January 2012

**Expected date of completion:** December 2015

**Project website:** <https://ndarc.med.unsw.edu.au/project/value-providing-health-interventions-heroin-use-cost-benefit-analysis>

# Completed projects

## Treatment and Early Intervention

**Australian Longitudinal Study of Heroin Dependence: An 11-year prospective cohort study of mortality, abstinence, criminality and psychiatric comorbidity among heroin users**

**NDARC staff:** Prof Maree Teesson, Prof Shane Darke, A/Prof Katherine Mills, A/Prof Tim Slade, Dr Joanne Ross, A/Prof Lucinda Burns, Dr Christina Marel & Sonja Memedovic

**Other investigators:** A/Prof Michael Lynskey (King's College London, United Kingdom)

**Project description:** The Australian Treatment Outcome Study (ATOS) is a landmark Australian cohort study examining outcomes from heroin dependence in over 40 research publications over three years (2001-2004).

**Funding:** NHMRC project grant; UNSW Goldstar

**Date commenced:** October 2011

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/australian-longitudinal-study-heroin-dependence-11-year-prospective-cohort-study-mortality>

**Breaking the ice: Development of an online early intervention program for people using psychostimulants**

**NDARC staff:** A/Prof Frances Kay-Lambkin

**Other investigators:** A/Prof Rebecca McKetin & Dr Robert Tait (Australian National University)

**Project description:** The increased use of psychostimulants in Australia is a major concern. People using psychostimulants often do not access traditional treatment services, as their need is often greatest outside of regular office hours. This study developed an internet-based, brief early intervention for psychostimulant use.

**Funding:** Commonwealth Department of Health

**Date commenced:** August 2010

**Date completed:** July 2013

**Project website:** <https://ndarc.med.unsw.edu.au/project/breaking-ice-development-online-early-intervention-program-people-using-psychostimulants-0>

**Computerised treatment for cannabis use in an early psychosis service**

**NDARC staff:** A/Prof Frances Kay-Lambkin

**Other investigators:** Prof Vaughan Carr, Daniel Pellen & Kellie Cathcart (School of Psychiatry, UNSW)

**Project description:** This project recruited clients of a local Early Psychosis clinic who were using cannabis. Case managers referred interested clients to the study, which explored the effectiveness of a computer-delivered psychological treatment for cannabis use and related problems (the SHADE intervention).

**Funding:** NSW Department of Health, Drug and Alcohol Research Grant

**Date commenced:** August 2011

**Date completed:** July 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/computerised-treatment-cannabis-use-early-psychosis-service-0>

**Development of a smartphone application for managing cannabis use: Assess, Plan, Track, Tips (APTT)**

**NDARC staff:** Dr Melissa Norberg, Dr Sally Rooke, Lucy Albertella, Lisa Gibson & Prof Jan Copeland

**Other investigators:** Prof David Kavanagh (Queensland University of Technology) & Dr Annie Lau (Australian Institute of Health Innovation, UNSW)

**Project description:** The potential of mobile health to transform health service delivery across the globe has not yet been realised, partly due to the lack of evidence for its efficacy and cost-effectiveness. Among other notable gaps is a lack of trials on smartphone applications (apps) for substance use, including the most commonly abused illegal drug, cannabis. This project developed and tested the first highly interactive, comprehensive and evidence-based smartphone app for treating cannabis use.

**Funding:** Australian Government Department of Health

**Date commenced:** January 2012

**Date completed:** June 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/development-smartphone-application-managing-cannabis-use-assess-plan-track-tips-aptt>

**Diagnosing major depression in older Australian adults: Is there evidence for age-related bias?**

**NDARC staff:** Dr Matthew Sunderland, Dr Natacha Carragher, A/Prof Tim Slade & Dr Louise Mewton

**Other investigators:** Dr Philip Batterham (Australian National University) & Prof Gavin Andrews (School of Psychiatry, UNSW)

**Project description:** This study sought to use statistical methods and cognitive interviewing to investigate the potential for age-related bias in the criteria for major depression. The study makes recommendations to improve the diagnostic methods used to diagnose and treat major depression in the old age.

**Funding:** NHMRC Project Grant

**Date commenced:** January 2013

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/diagnosing-major-depression-older-australian-adults-there-evidence-age-related-bias>

**Evaluation of the Inner City Youth at Risk Project and the Inner City Assertive Outreach Service**

**NDARC staff:** A/Prof Lucinda Burns & Ms Elizabeth Whittaker

**Other investigators:** Dr Elizabeth Conroy (University of Western Sydney) & Prof Paul Flatau (University of Western Australia)

**Project description:** This research involved the evaluation of the effectiveness of two projects funded under the NSW

Implementation Plan of the National Partnership Agreement on Homelessness, the Inner City Assertive Outreach Service (or 'Way2Home') and the Inner City Youth at Risk Project. The evaluation examined the effectiveness of the two projects in terms of their ability to achieve both operational and client-based effectiveness criteria, and in particular assessed the impact on the health, housing, social and economic targets of the two initiatives.

**Funding:** NSW Ministry of Health – Health Administration Corporation contract research

**Date commenced:** November 2010

**Date completed:** December 2013

**Project website:** <https://ndarc.med.unsw.edu.au/project/evaluation-inner-city-youth-risk-project-and-inner-city-assertive-outreach-service>

### In-depth evaluation of Common Ground Sydney

**NDARC staff:** A/Prof Lucinda Burns & Elizabeth Whittaker

**Other investigators:** Dr Shannon McDermott (School of Social Sciences, UNSW), Dr Jane Bullen, A/Prof Kristy Muir (Social Policy Research Centre, UNSW), Prof Hal Pawson (City Futures Research Centre, UNSW), Judith Stubbs & John Storer (Judith Stubbs and Associates)

**Project description:** The purpose of this evaluation was to assess Common Ground Sydney's effectiveness in facilitating sustainable housing for vulnerable, formerly chronically homeless people, many of whom have spent long periods sleeping rough. It aimed to inform future planning and contribute to the evidence of what works to house this group.

**Funding:** Housing NSW, Department of Family and Community Services

**Date commenced:** February 2013

**Date completed:** September 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/depth-evaluation-common-ground-sydney>

### Internet-delivered psychological treatment for comorbid depression and alcohol/other drug use problems: The SHADE project

**NDARC staff:** A/Prof Frances Kay-Lambkin

**Other investigators:** Prof Amanda Baker, Prof Brian Kelly & Dr Kerry Inder (University of Newcastle)

**Project description:** The increased availability and use of internet-based programs as a supplement to health care is a potential solution to well-documented treatment accessibility problems, particularly among people with depression and drug and alcohol use comorbidity. This study conducted a pilot intervention study with an epidemiological cohort of the internet-delivered SHADE treatment program.

**Funding:** Beyond Blue

**Date commenced:** July 2010

**Date completed:** December 2013

**Project website:** <https://ndarc.med.unsw.edu.au/project/internet-delivered-psychological-treatment-comorbid-depression-and-alcohol-other-drug-use-0>

### Monitoring of Reduce Your Use, a web-based cannabis treatment program

**NDARC staff:** Lisa Gibson, Dr Sally Rooke & Prof Jan Copeland

**Project description:** This study monitored the web-based cannabis treatment program *Reduce Your Use* in order to assess public response to the program with regard to uptake, compliance, satisfaction and preferred elements of the program.

**Funding:** Department of Health and Ageing

**Date commenced:** April 2013

**Date completed:** 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/monitoring-reduce-your-use-web-based-cannabis-treatment-program>

### Online screening and feedback for cannabis use

**NDARC staff:** Lisa Gibson, Dr Sally Rooke & Prof Jan Copeland

**Project description:** The aim of this project was to develop an online screening resource for cannabis use that provides feedback concerning patterns of use as well as motives for using.

**Date commenced:** January 2011

**Date completed:** June 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/online-screening-and-feedback-cannabis-use>

### The prevalence of drug and alcohol presentations on hospital-based services

**NDARC staff:** A/Prof Lucinda Burns, A/Prof Tim Slade & Kerryn Butler

**Other investigators:** Cate Wallace (NSW Health), Dr Rosalie Viney, Dr Rebecca Reeve, Kees van Gool (University of Technology, Sydney) & Dr Elizabeth Conroy (University of Western Sydney)

**Project description:** NDARC, in collaboration with the UTS Centre for Health Economics Research and Evaluation, was contracted by NSW Health, Mental Health and Drug and Alcohol Office, to undertake an evaluation of Drug and Alcohol Consultation Liaison (CL) Services in NSW. This evaluation also included the development of a clinical model of care for the establishment of future CL services in NSW and to standardise service provision in existing hospitals and Area Health Services.

**Funding:** NSW Department of Health contract research

**Date commenced:** November 2010

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/prevalence-drug-and-alcohol-presentations-hospital-based-services>

### Patterns of alcohol and drug use

#### Cannabis and respiratory health

**NDARC staff:** Dr Peter Gates & Prof Jan Copeland

**Other investigators:** Prof Adam Jaffé (Faculty of Medicine, UNSW)

**Project description:** Although cannabis smoke is known to contain similar harmful and carcinogenic substances to tobacco smoke, relatively little is understood of the respiratory health effects of cannabis smoking. This project built on research by Professor Donald Tashkin (University of California) to further extend the message on respiratory cannabis-related harms. The project consists of an updated review article concerning several aspects of respiratory health including airway health and lung health.

**Funding:** Australian Government Department of Health

**Date commenced:** October 2013

**Date completed:** January 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/cannabis-and-respiratory-health>

### Deficits in behavioural inhibition in substance abuse and addiction: A meta-analysis

**NDARC staff:** Dr Janette Smith, Prof Richard Mattick & Jaimi Iredale

**Other investigators:** Dr Sharna Jamadar (Monash University)

**Project description:** Deficits in behavioural inhibitory control are attracting increasing attention as a factor behind the development and maintenance of substance dependence. However, evidence for such a deficit is varied in the literature. We conducted a meta-analysis to find the overall effect for several classes of drugs, as well as for addiction-like behavioural disorders.

**Funding:** UNSW Vice-Chancellor's Postdoctoral Research Fellowship

**Date commenced:** January 2012

**Date completed:** April 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/deficits-behavioural-inhibition-substance-abuse-and-addiction-meta-analysis>

### Subjective experience of withdrawal from cannabis: Bush, hydro and synthetic

**NDARC staff:** Dr John Howard, Prof Jan Copeland & Paul Dillon

**Other investigators:** Bryan Tran (Faculty of Medicine, UNSW) & Dr David Allsop (University of Sydney)

**Project description:** Cannabis is the most widely used illicit drug in Australia. While a quantifiable withdrawal syndrome for 'natural' cannabis has been identified, no such study has been conducted on withdrawal from synthetic cannabis in Australia or elsewhere. This study surveyed regular users of cannabis about their use of cannabis and other drugs, and their subjective experience of withdrawal from cannabis.

**Funding:** NCPIC

**Date commenced:** November 2012

**Date completed:** December 2013

**Project website:** <https://ndarc.med.unsw.edu.au/project/subjective-experience-withdrawal-cannabis-bush-hydro-and-synthetic>

## Prevention and early intervention

### Alcohol and cannabis effects on young adults' cognitive function

**NDARC staff:** Dr Janette Smith, Prof Richard Mattick & Jaimi Iredale

**Project description:** The project examined the effects of regular alcohol and/or cannabis use on behavioural control, memory and attention processes and on brain function in young adults.

**Funding:** UNSW Vice-Chancellor's Postdoctoral Research Fellowship

**Date commenced:** January 2012

**Date completed:** October 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/alcohol-and-cannabis-effects-young-adults%E2%80%99-cognitive-function>

### Substance use in pregnancy resource development project

**NDARC staff:** A/Prof Lucinda Burns, Dr Courtney Breen & Emilie Awbery

**Project description:** Substance use among pregnant women is a significant public health issue. A range of adverse effects have been noted including increased risk of miscarriage and stillbirth, reduction in fetal growth, birth defects, developmental delay, growth retardation and neurological abnormalities. This project involved the development of a resource for the identification, management and, if appropriate, referral of women who are pregnant and have a substance misuse problem.

**Funding:** Australian Government Department of Health

**Date commenced:** July 2013

**Date completed:** September 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/substance-use-pregnancy-resource-development-project>

### Teacher and parent illicit drug resources

**NDARC staff:** Dr Nicola Newton, Prof Maree Teesson, Daniel Rodriguez, Dr Lexine Stapinski, Bill Reda, A/Prof Tim Slade, Dr Wendy Swift, A/Prof Frances Kay Lambkin, Dr Cath Chapman & Emma Black

**Other investigators:** Prof Steve Allsop, Dr Nyanda McBride & Candice Rainsford (Curtin University)

**Collaborators:** Australian Government Department of Health, 2and2 Game Developers, Netfront

**Project description:** This project included the development of information booklets for teachers, parents and students as well as an interactive game for young people to teach them about the harms associated with illicit drugs.

**Funding:** Australian Government Department of Health

**Date commenced:** June 2012

**Date completed:** November 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/teacher-and-parent-illicit-drug-resource>

## Update of the National Drugs Campaign website

**NDARC staff:** Prof Anthony Shakeshaft, Emma Black, Dr Nicola Newton, Prof Maree Teesson, Daniel Rodriguez, Prof Michael Farrell, Dr Lexine Stapinski & Bill Reda

**Project description:** This project sought to review, update and add new information reflecting current drug trends to inform content included on the National Drugs Campaign website.

**Funding:** Australian Government Department of Health

**Date commenced:** August 2012

**Date completed:** June 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/update-national-drugs-campaign-website>

## Drug policy

### A descriptive study of the processes involved in the reform of Victoria's alcohol and other drug sector

**NDARC staff:** Dr Lynda Berends & Prof Alison Ritter

**Collaborators:** Victorian Alcohol and Drug Association

**Project description:** Victoria's alcohol and other drug sector is undergoing major change. Outpatient services have been subject to recommissioning within a framework that introduces major changes to service types and ways of operating, along with an emphasis on local service networks. This project documented the views of service providers involved in recommissioning at a critical point in the change process.

**Funding:** Victorian Alcohol and Drug Association

**Date commenced:** July 2014

**Date completed:** November 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/descriptive-study-processes-involved-reform-victoria%20%99s-alcohol-and-other-drug-sector>

### The Drug and Alcohol Service Planning Model for Australia: Indigenous project

**NDARC staff:** Prof Alison Ritter & Maria Gomez

**Project description:** The Drug and Alcohol Service Planning Model for Australia is a planning tool that aims to assist health planners to meet the needs of people with alcohol and other drug problems. This project involved continued work with the National Indigenous Drug and Alcohol Committee (NIDAC) to deliver a useful and relevant tool for alcohol, tobacco and other drug policy units to facilitate improved purchasing of services for Aboriginal people through the identification of evidence-based components of care and the associated resource implications.

**Funding:** ACT Health (via IGCD cost-shared funding)

**Date commenced:** March 2014

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/drug-and-alcohol-service-planning-model-australia-%E2%80%93-indigenous-project>

## Review of the drug and alcohol prevention and treatment sector

**NDARC staff:** Prof Alison Ritter, Dr Jenny Chalmers, Dr Lynda Berends, Phillip Hull, Maria Gomez & Kari Lancaster

**Project description:** This project sought to clarify Australian drug and alcohol treatment funding; current and future service needs, the gap between met and unmet demand, and planning and funding processes for the future.

**Funding:** Australian Government Department of Health

**Date commenced:** July 2013

**Date completed:** June 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/review-drug-and-alcohol-prevention-and-treatment-sector>

### Trafficking in multiple commodities: Exposing Australia's poly-drug and poly-crime networks

**NDARC staff:** Dr Caitlin Hughes & Dr Jenny Chalmers

**Other investigators:** Dr David Bright (School of Social Sciences, UNSW) & Dr Michael McFadden (McFadden Consultancy)

**Project description:** It has been long recognised that illicit drug traffickers can and do trade in multiple drugs. Yet, for a range of reasons, both methodological and conceptual, the extent, nature and implications of poly-drug trafficking are not well understood. This project provided the first detailed examination of poly-drug and poly-crime trafficking in Australia, focusing on the actions of high-level traffickers (importers and wholesale distributors).

**Funding:** National Drug Law Enforcement Research Fund

**Date commenced:** April 2013

**Date completed:** September 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/trafficking-multiple-commodities-exposing-australia%E2%80%99s-poly-drug-and-poly-crime-networks>

## International

### Epidemiology of hepatitis C virus in Pennsylvanian state prisons

**NDARC staff:** Dr Sarah Larney

**Other investigators:** Dr Timothy P Flanigan, Madeline Mahowald (Brown University; The Miriam Hospital) & Dr Nicholas Scharff (Pennsylvania Department of Corrections)

**Project description:** This project used hepatitis C virus (HCV) surveillance data to describe the epidemiology of HCV among people incarcerated in state prisons in Pennsylvania, United States.

**Funding:** NHMRC Early Career Fellowship

**Date commenced:** June 2013

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/epidemiology-hepatitis-c-virus-pennsylvanian-state-prisons>

## Health economics

### The cost-effectiveness of antiretroviral treatment expansion strategies in Vietnam

**NDARC staff:** Dam Anh Tran & Prof Anthony Shakeshaft

**Other investigators:** Prof Chris Doran (University of Newcastle), Prof Peter Hill (University of Queensland), Dr Anh Duc Ngo (University of South Australia), A/Prof David Wilson & Dr Lei Zhang (The Kirby Institute, UNSW)

**Project description:** This PhD research examined the costs and benefits of providing antiretroviral treatment in Vietnam. It covered a range of specific aspects, including structural determinants of access to treatment, the cost-effectiveness of commencing antiretroviral treatment at different thresholds and the characteristics of patients who are lost to follow up.

**Funding:** AusAID International Postgraduate Award, VINE project

**Date commenced:** February 2011

**Date completed:** March 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/cost-effectiveness-antiretroviral-treatment-expansion-strategies-vietnam>

## Criminal justice system

### Illicit drug trafficking: The structure of illicit networks and implications for resilience and vulnerability

**NDARC staff:** Prof Alison Ritter

**Other investigators:** Dr David Bright (School of Social Sciences, UNSW), A/Prof Catherine Greenhill (School of Mathematics and Statistics, UNSW) & Prof Carlo Morselli (University of Montreal)

**Project description:** The aim of this study was to examine the structure of illicit networks (drug trafficking networks) to determine areas of vulnerability and resilience. The project aimed to improve existing knowledge and empirical accounts of criminal networks by employing an innovative, multi-level analytic approach which incorporates structural factors, node positing effects, links between nodes and node-level or individual factors.

**Funding:** ARC Discovery Project

**Date commenced:** January 2012

**Date completed:** December 2014

**Project website:** <https://ndarc.med.unsw.edu.au/project/illicit-drug-trafficking-structure-illicit-networks-and-implications-resilience-and-0>

# Staff

## Office of the Director

<b>Michael</b>	<b>Farrell</b>	Professor, Director NDARC
<b>Alison</b>	<b>Ritter</b>	Professor & NHMRC Senior Research Fellow, Deputy Director NDARC
<b>Anthony</b>	<b>Shakeshaft</b>	Professor, Deputy Director NDARC
<b>Karen</b>	<b>Hill</b>	Centre Operations Manager
<b>Marion</b>	<b>Downey</b>	Communications and Media Manager
<b>Gemma</b>	<b>Nevin</b>	Centre Operations Manager – Acting ( <i>Left in July 2014</i> )
<b>David</b>	<b>Coomber</b>	Centre Operations Manager – Acting ( <i>July to September 2014</i> )

## Academic Staff

In 2014, NDARC had 49 academic staff, 11 of whom were on NHMRC funded fellowships and two on Rotary fellowships. Overall we had 4 academic staff leave from the 2013 staffing profile and we had 5 new academic staff join NDARC in 2014; 2 of whom were NHRMC Research Fellows and one a Rotary Fellowship.

<b>Monica</b>	<b>Barratt</b>	NHMRC Early Career Research Fellow ( <i>NEW in 2014</i> )
<b>Emma</b>	<b>Barrett</b>	Research Fellow
<b>Lynda</b>	<b>Berends</b>	Senior Research Fellow
<b>Courtney</b>	<b>Breen</b>	Research Fellow
<b>Heather</b>	<b>Buchan</b>	Post-Doctoral Research Fellow
<b>Lucinda</b>	<b>Burns</b>	Associate Professor
<b>Natacha</b>	<b>Carragher</b>	Senior Research Fellow
<b>Jenny</b>	<b>Chalmers</b>	Senior Research Fellow
<b>Cath</b>	<b>Chapman</b>	Senior Research Fellow
<b>Nicole</b>	<b>Clement</b>	Research Fellow
<b>Jan</b>	<b>Copeland</b>	Professor, Director NCPIC
<b>Ryan</b>	<b>Courtney</b>	Post-Doctoral Research Fellow
<b>Shane</b>	<b>Darke</b>	Professor
<b>Louisa</b>	<b>Degenhardt</b>	Professor & NHMRC Principal Research Fellow
<b>Kate</b>	<b>Dolan</b>	Professor
<b>Natasa</b>	<b>Gisev</b>	Post-Doctoral Research Fellow
<b>Tonelle</b>	<b>Handley</b>	Rotary Post-Doctoral Research Fellow ( <i>NEW in 2014</i> )
<b>Phuong</b>	<b>Hoang</b>	Research Fellow – Economist
<b>John</b>	<b>Howard</b>	Senior Research Fellow
<b>Caitlin</b>	<b>Hughes</b>	Research Fellow
<b>Delyse</b>	<b>Hutchinson</b>	Senior Research Fellow
<b>Sharlene</b>	<b>Kaye</b>	Senior Research Fellow
<b>Frances</b>	<b>Kay-Lambkin</b>	Associate Professor & NHMRC Research Fellow
<b>Jo</b>	<b>Kimber</b>	Research Fellow
<b>Briony</b>	<b>Larance</b>	NHMRC Early Career Research Fellow
<b>Sarah</b>	<b>Larney</b>	NHMRC Early Career Research Fellow
<b>Michael</b>	<b>Livingston</b>	NHMRC Early Career Research Fellow
<b>Christina</b>	<b>Marel</b>	Post-Doctoral Research Fellow
<b>Richard</b>	<b>Mattick</b>	Professor & NHMRC Principal Research Fellow
<b>Louise</b>	<b>Mewton</b>	Research Fellow ( <i>NEW in 2014</i> )
<b>Katherine</b>	<b>Mills</b>	Associate Professor
<b>Nicola</b>	<b>Newton</b>	Senior Research Fellow
<b>Suzanne</b>	<b>Nielsen</b>	NHMRC Early Career Research Fellow ( <i>NEW in 2014</i> )
<b>Sally</b>	<b>Rooke</b>	Research Fellow
<b>Joanne</b>	<b>Ross</b>	Senior Research Fellow
<b>Marian</b>	<b>Shanahan</b>	Senior Research Fellow – Health Economist
<b>Edmund</b>	<b>Silins</b>	Research Fellow
<b>Tim</b>	<b>Slade</b>	Associate Professor
<b>Janette</b>	<b>Smith</b>	Rotary Research Fellow
<b>Lexine</b>	<b>Stapinski</b>	Research Fellow ( <i>NEW in 2014</i> )
<b>Emily</b>	<b>Stockings</b>	Post-Doctoral Research Fellow
<b>Matthew</b>	<b>Sunderland</b>	NHMRC Early Career Research Fellow
<b>Wendy</b>	<b>Swift</b>	Senior Research Fellow
<b>Maree</b>	<b>Teesson</b>	Professor & NHMRC Senior Research Fellow
<b>Monika</b>	<b>Wadolowski</b>	Post-Doctoral Research Fellow ( <i>NEW in 2014</i> )
<b>Judy</b>	<b>Wilson</b>	Research Fellow

## Professional and Technical Staff – Research

In 2014, NDARC had 50 professional and technical (P&T) research staff. Overall we had 11 P&T staff leave from the 2013 staffing profile. 7 staff also took up PhD's; 5 are at NDARC and 2 are affiliated with NDARC but are held at other institutions. We had 12 new P&T research staff join NDARC in 2014.

<b>Alex</b>	<b>Aiken</b>	Senior Research Officer
<b>Dion</b>	<b>Alperstein</b>	Research Assistant
<b>Emilie</b>	<b>Awbery</b>	Research Officer
<b>Emma</b>	<b>Black</b>	Senior Research Officer
<b>Veronica</b>	<b>Boland</b>	Research Officer
<b>Danya</b>	<b>Braunstein</b>	Research Officer
<b>Bianca</b>	<b>Calabria</b>	Senior Research Officer ( <i>NEW in 2014</i> )
<b>Elena</b>	<b>Cama</b>	Research Officer ( <i>NEW in 2013/2014</i> )
<b>Joanne</b>	<b>Cassar</b>	Research Psychologist
<b>Kellie</b>	<b>Cathcart</b>	Clinical Psychologist ( <i>NEW in 2014</i> )
<b>Philip</b>	<b>Clare</b>	Research Officer
<b>Sarah</b>	<b>Ellis</b>	Research Assistant
<b>Gavin</b>	<b>Entwistle</b>	Research Officer ( <i>NEW in 2013/4</i> )
<b>Philippa</b>	<b>Ewer</b>	Research Psychologist
<b>Sarah</b>	<b>Freckleton</b>	Research Assistant
<b>Peter</b>	<b>Gates</b>	Senior Research Officer
<b>Jenny</b>	<b>Geddes</b>	Project Clinician
<b>Lisa</b>	<b>Gibson</b>	Senior Research Officer ( <i>NEW in 2013/4</i> )
<b>Maria</b>	<b>Gomez</b>	Senior Research Officer
<b>Rachel</b>	<b>Grove</b>	Senior Research Officer
<b>Toni</b>	<b>Hordern</b>	Research Assistant
<b>Philip</b>	<b>Hull</b>	Research Assistant
<b>Sally</b>	<b>Hunt</b>	Project Manager
<b>Jaimi</b>	<b>Iredale</b>	Research Officer
<b>Ivana</b>	<b>Kihás</b>	Research Assistant
<b>Xanthe</b>	<b>Larkin</b>	Research Officer
<b>Angus</b>	<b>Liu</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Eva</b>	<b>Louie</b>	Research Assistant
<b>Sarah</b>	<b>Masters</b>	Research Psychologist ( <i>NEW in 2014</i> )
<b>David</b>	<b>McKell</b>	Research Officer
<b>Ranira</b>	<b>Moodley</b>	Research Assistant
<b>Natasha</b>	<b>Nair</b>	Research Assistant
<b>Dale</b>	<b>Rafferty</b>	Research Assistant ( <i>NEW in 2013/4</i> )
<b>Madeleine</b>	<b>Randell</b>	Research Assistant
<b>Bill</b>	<b>Reda</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Maxine</b>	<b>Robinson</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Daniel</b>	<b>Rodriguez</b>	Research Assistant
<b>Julia</b>	<b>Rosenfeld</b>	Research Psychologist
<b>Jennifer</b>	<b>Seddon</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Brad</b>	<b>Shaw</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Natasha</b>	<b>Sindicich</b>	Senior Research Officer
<b>Kimberley</b>	<b>Smith</b>	Research Officer
<b>Jenny</b>	<b>Stafford</b>	Senior Research Officer
<b>Chiara</b>	<b>Stone</b>	Senior Research Officer
<b>Rachel</b>	<b>Sutherland</b>	Research Officer
<b>Joel</b>	<b>Tibbetts</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Joe</b>	<b>Van Buskirk</b>	Research Officer
<b>Joanne</b>	<b>White</b>	Research Assistant
<b>Simon</b>	<b>Wu</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Fenglian</b>	<b>Xu</b>	Statistician

## Professional and Technical Staff – Administration

Overall in 2014, NDARC had 27 professional and technical (P&T) Administration staff. We had 5 staff leave throughout 2014 and had 4 new staff join NDARC in 2014.

<b>Tori</b>	<b>Barnes</b>	Administrative Officer
<b>Jasmin</b>	<b>Bartlett</b>	Administrative Officer/EA
<b>Crisanta</b>	<b>Corpus</b>	Management Accountant
<b>Paul</b>	<b>Dillon</b>	Communications Manager (Left in January 2014)
<b>Jackie</b>	<b>Du</b>	Finance Officer
<b>Colleen</b>	<b>Faes</b>	Finance Officer
<b>Carly</b>	<b>Harris</b>	Executive Assistant (Left in June 2014)
<b>Karina</b>	<b>Hickey</b>	Communications Officer
<b>Mary</b>	<b>Kumvaj</b>	Librarian
<b>Clare</b>	<b>Le</b>	Communications Officer
<b>Mauricia</b>	<b>Lopes</b>	Finance Manager
<b>Etty</b>	<b>Matalon</b>	National Clinical Training Manager
<b>Amanda</b>	<b>McDonald</b>	Communications Manager ( <i>NEW in 2014</i> )
<b>Jelynn</b>	<b>Millare</b>	Administrative Assistant/Receptionist
<b>Morag</b>	<b>Millington</b>	Communications Officer
<b>Erin</b>	<b>O'Loughlin</b>	Communications Officer (Left in November 2014)
<b>John</b>	<b>Redmond</b>	Research Assistant
<b>Jemma</b>	<b>Sale</b>	Executive Assistant/Project Co-ordinator
<b>Carla</b>	<b>Santos</b>	Administrative Officer
<b>Mina</b>	<b>Tang</b>	Finance Officer – Acting ( <i>NEW in 2014</i> )
<b>Matthew</b>	<b>Tooth</b>	Communications Officer
<b>Michaela</b>	<b>Turner</b>	Administrative Officer ( <i>NEW in 2014</i> )

## Doctoral Candidates

In 2014, NDARC had 27 Doctoral Students. Overall we had 8 candidates complete their PhD's and 1 candidate left from the 2013 staffing profile. We have 8 new Doctoral candidates; 5 of whom were existing NDARC P&T Research staff, two were off-site candidates and we had one new candidate in 2014.

<b>Zahra</b>	<b>Alam Mehrjerdi</b>	International Doctoral Student
<b>Lucy</b>	<b>Albertella</b>	Research Officer
<b>Ansari</b>	<b>Bin Jainullabudeen</b>	Senior Research Officer
<b>Louise</b>	<b>Birrell</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Kerryn</b>	<b>Butler</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Gabrielle</b>	<b>Campbell</b>	Senior Research Officer ( <i>NEW in 2013</i> )
<b>Katrina</b>	<b>Champion</b>	Research Officer
<b>Mark</b>	<b>Deady</b>	Senior Research Officer
<b>Catherine</b>	<b>Foley</b>	Off-site Doctoral Student ( <i>NEW in 2014</i> )
<b>Bianca</b>	<b>Hoban</b>	Research Assistant
<b>Erin</b>	<b>Kelly</b>	Research Psychologist
<b>Alice</b>	<b>Knight</b>	Research Assistant
<b>Kari</b>	<b>Lancaster</b>	Senior Research Officer
<b>Clare</b>	<b>McCormack</b>	Research Officer
<b>Sonja</b>	<b>Memedovic</b>	Research Officer
<b>Alice</b>	<b>Munro</b>	Off-site Doctoral Student ( <i>NEW in 2014</i> )
<b>Matthew</b>	<b>O'Reilly</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Katrina</b>	<b>Prior</b>	Research Officer ( <i>NEW in 2014</i> )
<b>Larissa</b>	<b>Rossen</b>	Research Officer
<b>Amanda</b>	<b>Roxburgh</b>	Senior Research Officer
<b>Mieke</b>	<b>Snijder</b>	Research Officer
<b>Zoe</b>	<b>Tonks</b>	Research Assistant ( <i>NEW in 2014</i> )
<b>Dam An</b>	<b>Tran</b>	International Doctoral Student
<b>Michelle</b>	<b>Tye</b>	Senior Research Officer
<b>Thu</b>	<b>Vuong</b>	International Doctoral Student
<b>Elizabeth</b>	<b>Whittaker</b>	Research Officer
<b>Kathryn</b>	<b>Woodcock</b>	Off-site Doctoral Student

## Conjoints

In 2014, NDARC had 16 conjoint appointments. Overall we had 4 new Conjoints and 2 left from the 2013 staffing profile.

<b>Julaine</b>	<b>Allan</b>	Associate Lecturer ( <i>NEW in 2014</i> )
<b>David</b>	<b>Allsop</b>	Lecturer ( <i>NEW in 2014</i> )
<b>Amanda</b>	<b>Baker</b>	Professor
<b>Raimondo</b>	<b>Bruno</b>	Associate Professor
<b>Katherine</b>	<b>Conigrave</b>	Professor
<b>Johan</b>	<b>Duflou</b>	Associate Professor
<b>Matthew</b>	<b>Dunn</b>	Senior Lecturer
<b>Wayne</b>	<b>Hall</b>	Professor
<b>Alys</b>	<b>Havard</b>	Lecturer
<b>John</b>	<b>Howard</b>	Senior Lecturer ( <i>NEW in 2014</i> )
<b>Trevor</b>	<b>King</b>	Lecturer
<b>Rod</b>	<b>MacQueen</b>	Senior Lecturer ( <i>NEW in 2014</i> )
<b>Andrea</b>	<b>Mant</b>	Associate Professor
<b>Mark</b>	<b>Montebello</b>	Lecturer
<b>Elizabeth</b>	<b>Moore</b>	Lecturer
<b>Deborah</b>	<b>Zador</b>	Senior Lecturer

## Visiting staff and students

<b>Vendula</b>	<b>Belackova</b>	Visiting Research Fellow
<b>Hannah</b>	<b>Fiedler</b>	Macquarie University Doctoral Candidate
<b>Ingrid</b>	<b>Honan</b>	Macquarie University Doctoral Candidate
<b>Megan</b>	<b>Semczuk</b>	Visiting student
<b>Lucie</b>	<b>Swaffield</b>	Research Officer
<b>Stephanie</b>	<b>Taplin</b>	Visiting Research Fellow

## Miscellaneous staff

<b>Margaret</b>	<b>Eagers</b>	Contractor R1C Building
<b>Kati</b>	<b>Haworth</b>	NET Business Manager

# External appointments

## Memberships of External Committees, Advisory Boards and Editorial Boards

### Dr Emma Barrett

Member, NHMRC Centre for Research Excellence in Mental Health and Substance Use Executive Advisory Board (2014-present)

Editor, *Journal of Addiction and Prevention* (2014-present)

### Dr Monica Barratt

Editorial Board Member, *Field Methods* (2014-present)

Editorial Board Member, *Drugs: Education, Prevention and Policy* (2014-present)

Member, International Society for the Study of Drug Policy (2012-present)

Member, International Association of Internet Researchers (2012-present)

Member, Harm Reduction Victoria (2013-present)

### A/Prof Lucinda Burns

Director, Haymarket Foundation for Homeless People with Substance Abuse Problems (2004-present)

Academic Member, NSW Health Drug and Alcohol Council, Research Subcommittee, NSW Health Department (2009-present)

Trustee, NDARC Educational Trust (2009-present)

Member, NSW Population and Health Services Research Ethics Committee (2010-present)

Member, Perinatal Substance Use, National Special Interest Group (2010-present)

Member, Population Health Research Network, NSW

ACT Policy and Program Advisory Group (2011-present)

Member, UNSW Medical/Community Human Research Ethics Advisory Panel (2011-present)

### Bianca Calabria

Student Member, UNSW Higher Degrees Research Committee (2010-2011)

### Dr Natacha Carragher

Member, NHMRC Research Translation Faculty (2013-present)

Editor, *Social Psychiatry and Psychiatric Epidemiology* (2013-present)

Convenor of the Early Career Researcher Workshop at the Annual Meeting of the Society for Mental Health Research (Melbourne 2013 & Adelaide 2014)

Early Career Researcher Representative, Executive Committee, Society for Mental Health Research [formerly Australasian Society for Psychiatric Research] (January 2013-present)

### Dr Jenny Chalmers

Member, The Alcohol and Drug Council of Australia's Human Services/Systems Working Group (2010-2013)

### Dr Cath Chapman

Member, Management Committee, The Mental Health Services Conference of Australia and New Zealand (2000-present)

Member, Conference Proceedings Editorial Board, The Mental Health Services Conference of Australia and New Zealand (1998-present)

Co-convenor, The Mental Health Services Conference of Australia and New Zealand Summer Forum (2008-present)

### Katrina Champion

Member, Prevention Science Network, Australian Research Alliance for Children & Youth (2014-present)

### Prof Jan Copeland

Chair, US College on Problems of Drug Dependence (CPDD) International Committee (2012-2017), Member from 2010

President, Board of Management, Drug and Alcohol Multicultural Education Centre (DAMEC) (2002-2015)

Member, Board of Management of Odyssey House: The McGrath Foundation, a non-government therapeutic community; Co-chair of the Operations Committee (2004-2015)

Associate Editor (Services and Prevention, Technology Transfer, and Treatment), *Drug and Alcohol Dependence* (2011-2015)

Assistant Editor, *Journal of Substance Abuse Treatment* (2001-2015)

Editorial Board Member, *Addiction Science and Clinical Practice* (2010-2015)

Editorial Board Member, *ISRN Addiction* (2012-2015)

Editorial Board Member, *British Journal of Health Informatics and Monitoring*

Member, Cannabis Working Group for NSW Health (2007-2015)

Member, Drug and Alcohol Health Promotion Subcommittee of the Drug and Alcohol Program Council, NSW Department of Health (2011-2014)

Member, Australian Cannabis Cohort Research Consortium (2008-2014)

Member of the Australian Government's Intergovernmental Committee on Drugs Working Party on the National Minimum Data Set (2004-2015)

### Dr Ryan Courtney

Member, Cancer Australia Priority Driven Research Grant Review Panel (2014-present)

### Prof Shane Darke

Regional Editor, *Addiction* (2006-present)

Editorial Board member, *Drug and Alcohol Dependence* (1993-present)

Assistant Editor, *Journal of Drug Issues* (2006-present)

### Prof Louisa Degenhardt

Member of Core Analytic Team, Global Burden of Disease 2.0 (2012-present)

Board Member, Scientific Advisory Board of The Swiss Research Institute for Public Health and Addiction (2014-present)

Member, Orygen Research Committee (2012-present)

WHO: Technical Advisory Group Member for the eleventh revision of the International Classification of Diseases (ICD) Injury and External Causes of Injury (2009-present)

Associate Member, Australian Institute of Policy and Science (2009-present)

Member, Epidemiology and Public Health Section, World Psychiatric Association (2008-present)

Associate Faculty Member, Faculty of 1000 Medicine (2008-present)

Member, International Collaboration on ADHD and Substance Abuse (ICASA) (2008-present)

Member, Australian National Association of Research Fellows (NARF) (2007-present)

Member, 2013 National Drug Strategy Household Survey Technical Advisory Group (2012-2014)

Member, Australian Cannabis Cohort Research Consortium (2008-present)

Member, panel providing Specialist Scientific Services to the Australian Federal Police Forensic and Data Centres (2009-present)

Editorial Board Member, *PLOS One* (2013-present)

Editorial Board Member, *Substance Abuse Treatment, Prevention and Policy* (2009-present)

Editorial Board Member, *International Journal of Drug Policy* (2005-present)

Deputy Editor, *Drug and Alcohol Review* (2005-present)

Editorial Board Member, *BMC Psychiatry* (2005-present)

Member of IAS 2015 Track D Implementation Science Committee (2014-2015), IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver Canada, 19-22 July 2015

Member of International Advisory Committee (2013-2014), Global Addictions Conference, Rome, Italy, 6-8th June 2014

### Prof Kate Dolan

Member, World Health Organization (WHO) Network for HIV and Health in the Western Pacific Region (WPR) (2009-present)

Member, Anex's Harm Minimisation in Prisons Committee (2008-present)

Member, UNODC Expert Group on the Comprehensive Package for HIV in Prisons (2011-present)

Member, Asia-Pacific Drug and Development Issues Committee (APDDIC), Australian National Council on Drugs (2011-2014)

Editorial Board Member, *The Open Epidemiology Journal* (2013-present)

Advisor, Amitiel Welfare Society, Pakistan (2011-present)

### Prof Michael Farrell

Member, World Health Organization Expert Committee on Drug Dependence (1996-present)

Member, Quality in Treatment (QIT), NSW Health (2011-present)

Member, Asia-Pacific Drug and Development Issues Committee (APDDIC), Australian National Council on Drugs (2011-2014)

Member, Health Science Alliance (2012-present)

Member, Department of Health Review Advisory Committee (2013-2014)

Editorial Advisory Board Member, *The Lancet Psychiatry* (2013-present)

### Dr Peter Gates

Assistant Editor, *Journal of Healthcare Informatics* (2013-present)

### Dr John Howard

Member, ANCD Asia-Pacific Drug Issues Committee (2004-2014)

Member, NSW Child Death Review Team (2004-present)

Board Member, National Centre for Education and Training on Addiction (NCETA) (2005-present)

Member, Clinical Advisory Panel, Family Drug Support (2002-present)

Member, NSW Ministerial Advisory Committee on Hepatitis (2008-2013)

Member, Advisory Group, NSW Department of Health, Mental Health and Drug and Alcohol Office, Quality in Treatment (QIT) (2002-present)

Member, Drug and Alcohol Multicultural Education Centre (DAMEC), Research Sub-committee (2010-present)

Member, Consulting Editors Group, *Youth Studies Australia* (2010-present)

Member, NSW Ministry of Health, Emerging Psychoactive Substances Advisory Group (2013-present)

### Dr Caitlin Hughes

Member, *Of Substance* Editorial Reference Group (2011-present)

Member, UNSW Faculty of Medicine Postdoctoral Advisory Committee (2011-present)

### Dr Delyse Hutchinson

Co-convenor and Member, Longitudinal Studies Network, Australian Research Alliance for Children and Youth (ARACY) (2011-present)

Co-Director and member, Cannabis Cohort Research Consortium (CCRC) (2006-present)

Organisational member, Australian Research Alliance for Children and Youth (ARACY) (2005-present)

Reference Group Committee Member, Outcomes of identifying AOD use during pregnancy on women, their partners and their children: Maternal screening for substance use (2014-present)

Executive Committee Member, Australian Centre for Perinatal Science (ACPS), UNSW (2013-present)

### Dr Sharlene Kaye

Assistant Editor, *Addiction* (2009-present)

Board Member (Secretary), International Collaboration on ADHD and Substance Abuse (ICASA) (2010-present)

Member, NHMRC Research Translation Faculty (2012-present)

### A/Prof Frances Kay-Lambkin

Invited Member, Expert Working Group, Development of professional education module for clinicians in the management of comorbid depression and alcohol dependence, Black Dog Institute, UNSW (2012)

Member, NHMRC Research Translation Faculty (2012-present)

Member, Executive Committee, Special Interest Group on Telephone and Internet Treatment, Australian Psychological Society (2010-present)

Secretary, Executive Committee, Australasian Society for Psychiatric Research (2010-2014)

Secretary, Executive Committee, Society for Mental Health Research (2014-present)

Board of Directors, International Society for Research on Internet Interventions (2013-present)

Member, Centre Management Committee, Centre for Translational Neuroscience and Mental Health, University of Newcastle (2010-present)

Member, Research Management Committee, School of Medicine and Public Health, University of Newcastle (2010-present)

### Kari Lancaster

Member, International Editorial Board of *Drugs: Education, Prevention and Policy* (2014-present)

Member, Women's Employment Strategy Committee (WESC), UNSW Medicine (2014-present)

**Dr Sarah Larney**

Member, Board of Management of Rainbow Lodge, and convenor of the Rainbow Lodge Research Subcommittee (2014-present)

Member, Australasian Professional Society on Alcohol and Other Drugs Conference Scientific Program Committee (2014-present)

**Dr Michael Livingston**

Board Member, Australian Rechabite Foundation (2013-present)

Member, VicHealth Cultural Change Research Reference Group (2013-present)

Member, Victorian Alcohol Policy Coalition (2009-present)

Member, National Alliance for Action on Alcohol (2011-present)

Member, Coordinating Committee of the Kettil Bruun Society for Social and Epidemiological Research on Alcohol (2012-present)

Assistant Editor, *Addiction* (2010-present)

Deputy Editor, *Drug and Alcohol Review* (2012-present)

Member, Victorian Liquor Control Advisory Council (2014-present)

Editorial Board Member, *Drugs: Education, Prevention and Policy* (2014-present)

**Dr Christina Marel**

Member, APSAD Early Career Researcher Committee (2014-present)

Invited Expert, 2168 Dual Diagnosis Project (2014-present)

**Prof Richard Mattick**

Member, International Advisory Board, Australian and New Zealand Journal of Psychiatry (2005-present)

Member, Alcohol Beverages Advertising Code adjudication panel (2005-present)

Member, Sax Institute Research Partnerships for Better Health (2006-present)

Member, Australian Research Alliance on Children and Youth (2008-present)

**A/Prof Katherine Mills**

Member, NHMRC Research Translation Faculty (2012-present)

Member, Community Mental Health Drug and Alcohol Research Network Steering Committee (2011-present)

Assistant Editor, *Addiction* (2010-present)

Deputy Editor, *Drug and Alcohol Review* (2010-present)

Member, NHMRC Clinical Trials grant review panel (2014-present)

**Dr Nicola Newton**

Member, NHMRC Research Translation Faculty (2013-present)

Director, Prevention Stream, NHMRC Centre for Research Excellence in Mental Health and Substance Use (2012-present)

Member, Prevention Science Network, Australian Research Alliance for Children & Youth (2012-present)

Advisory Board Member, Angelus Foundation (Expert committee on legal highs in the UK) (2010-present)

**Dr Suzanne Nielsen**

Member, APSAD Scientific Review Committee (2013-present)

Member, APSAD Early Career Researcher Committee (2014-present)

Managing Editor, *Drug and Alcohol Review* (2010-present)

Editorial Fellow, *Journal of Substance Abuse Treatment* (2013-2014)

Nominated Scientific Expert, CODEMISUSED Project (2014-present)

Chair, Alcohol and other Drugs Council of Australia (ADCA) Pharmaceuticals Working Group (2008-2014)

Member, National Institute on Drug Abuse (NIDA) International Program Advisory Workgroup (2013-present)

**Prof Alison Ritter**

President, International Society for the Study of Drug Policy (2011-present)

Vice President, Alcohol and Drug Council of Australia (2011-2014)

Member, Board of Directors, Alcohol and Drug Council of Australia (2010-2014)

Editor, *Drug and Alcohol Review* (2001-present)

Associate Editor, *Journal of Drug Policy Analysis* (2010-present)

Associate Editor, *International Journal of Drug Policy* (2011-present)

Member NHMRC Assigners Academy (2013-present)

Member, NSW Needle and Syringe Program Planning Network (2014-present)

Advisory Panel Member, Development of needs-based planning models for substance use services and supports in Canada (Health Canada funded) (2011-present)

Member, Global Science Group for Addictions and Lifestyles in Contemporary Europe (ALICE) project (2011-present)

Chair, Drug Policy Working Group, National Institute on Drug Abuse (2011-present)

Member, National Drug Strategy Household Survey Technical Advisory Group (2009-present)

Technical Advisor, International Centre for Science in Drug Policy (2011-present)

Member, Australian Government Department of Health and Ageing Partners In Recovery Expert Reference Group (2012-present)

Member, Alcohol's Harm to Others Advisory Group (2012-present)

**Dr Joanne Ross**

Assistant Editor, *Addiction* (2006-present)

Member of the Allied Health Worker Advisory Committee, NSW Health (2010-present)

**Prof Anthony Shakeshaft**

NHMRC Council (2012-present)

International Network on Brief Interventions for Alcohol and Other Drugs (2011-present)

Conjoint Associate Professor, Faculty of Health, University of Newcastle (2010-present)

Assistant Editor, *BMC Public Health* (2010-present)

Visiting Scholar, Cairns Institute, James Cook University (2011-2012)

**A/Prof Tim Slade**

Member, Expert Advisory Group for the second National Child and Adolescent Mental Health Survey (2011-present)

Australian representative, World Health Organisation World Mental Health Survey Initiative

Member, NHMRC Early Career Fellowships Panel (2012-2014)

Regional Editor, *Social Psychiatry and Psychiatric Epidemiology* (2009-present)

Consulting Editor, *Journal of Abnormal Psychology* (2012-present)

Assistant Editor, *Addiction*  
(2012-present)

Statistical Editor, *PLOS One*  
(2013-present)

### Dr Janette Smith

Member, Organising Committee for the 22nd Australasian Society for Psychophysiology Conference, hosted at UNSW Nov 28–30, 2012

Guest Editor, *International Journal of Psychophysiology Special Issue: Psychophysiology in Australasia*

Member, Executive Committee, Australasian Society for Psychophysiology (2013-present)

### Dr Lexine Stapinski

Member, Anxiety Practitioner's Network Organising Committee (2014-present)

### Dr Matthew Sunderland

Member, NHMRC Research Translation Faculty (2013-present)

Member, Social Psychiatry and Psychiatric Epidemiology editorial advisory board (2013-present)

### Rachel Sutherland

Member, Alcohol and Other Drugs Advisory Panel, ACON (2013-present)

### Dr Wendy Swift

Deputy Editor (Book Reviews), *Drug and Alcohol Review* (2012-present)

Member, Cannabis Cohort Research Consortium (2006-present)

Member, Expert Working Committee for the NSW Ministry of Health's Older Person's Substance Use Project (2014-present)

Member, Expert Working Group for Cannabis Component of the National Alcohol and Drugs Knowledge Database (2014-present)

Member, Expert Advisory Panel, National Alcohol and Drug Knowledgebase (NADK) (2014-present)

Member, Older People's Drug and Alcohol Project's Expert Advisory Group, NSW Ministry of Health (2014-present)

### Prof Maree Teesson

Chair, Executive Committee, NHMRC Centre of Research Excellence in Mental Health and Substance Use

Member, NHMRC Centre of Research Excellence in Suicide Prevention

Member, Australian Cannabis Cohort Research Consortium (2008-present)

Member, Expert Working Group, NSW Mental Health Commission (2011)

Co-chair, UNSW Women's Employment Strategy Committee (2011-present)

Founding Member, Management Committee, The Mental Health Services Conference of Australia and New Zealand (1993-present)

Co-convenor, The Mental Health Services Conference of Australia and New Zealand Summer Forum (2006-present)

Member, Health Care Committee, Principal Committee NHMRC (2012-present)

Chair, NHMRC Postgraduate Scholarship Awards Committee, NHMRC (2012-2014)

Member, NHMRC Grant Review Panel (2012-2014)

Member, NHMRC Assigners Academy (2013-2014)

Editorial Board, *Current Drug Abuse Reviews*

Assistant Editor, *Addiction*

# Postgraduate students

**Zahra Alam Mehrjerdi** (2013-present)

*The effects of cognitive-behavioural therapy (CBT) in treating methamphetamine use among women in methadone treatment in Tehran*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Kate Dolan; Dr Nadine Ezard; Dr Azarakhsh Mokri

Expected date of submission: August 2016

**Lucy Albertella** (2013-present)

*A prospective investigation of the relationship among attentional dysfunction, cannabis use and schizotypy in adolescence*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Jan Copeland; Dr Mike Le Pelley

Expected date of submission: February 2016

**Louise Birrell** (2014-present)

*Untangling co-morbidity: Substance use and mental health in young Australians*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Nicola Newton; A/Prof Tim Slade; Prof Maree Teesson

Expected date of submission: February 2017

**Kerryn Butler** (2014-present)

*Hepatitis C testing and treatment intervention among people who inject drugs*

Part-time Masters of Research in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Prof Lucinda Burns, A/Prof Carolyn Day

Expected date of submission: July 2016

**Gabrielle Campbell** (2013-present)

*Suicide and self-harm behaviours in people with chronic pain*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Louisa Degenhardt; Prof Shane Darke; A/Prof Raimondo Bruno

Expected date of submission: November 2015

**Bianca Calabria** (2010-2014)

*Creating partnerships between researchers, health care providers and Indigenous Australians to improve Indigenous health: A demonstration model*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; Dr Anton Clifford; A/Prof Chris Doran

Submitted: August 2013

Conferred: February 2014

**Katrina Champion** (2012-present)

*New approaches to Internet-based substance use prevention for Australian adolescents*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Nicola Newton; Prof Maree Teesson

Expected date of submission: October 2015

**Mark Deady** (2011-present)

*Comorbid depression and alcohol misuse in young people and the development of an internet-based intervention*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Maree Teesson; A/Prof Frances Kay-Lambkin; A/Prof Katherine Mills

Expected date of submission: December 2014

**Catherine Foley** (2014-present)

*Improving the effectiveness of treatment for people with co-occurring substance and mental health disorders in rural Australian communities*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; Prof Michael Farrell

Expected date of submission: March 2017

**Bianca Hoban** (2012-present)

*Risky use of medications in chronic non-cancer pain patients*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisor: Prof Louisa Degenhardt

Expected date of submission: March 2016

**Ansari Jainullabudeen** (2010-2014)

*Assessing the economic efficiency of Indigenous alcohol policy in Australia*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; Prof Chris Doran

Conferred: March 2014

**Erin Kelly** (2013-present)

*Bullying among Australian adolescents: Risks and responses*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Maree Teesson; Dr Nicola Newton

Expected date of submission: January 2016

**Alice Knight** (2013-present)

*Estimating the costs and benefits of a multi-component intervention for young people with multiple and complex needs*

Full-time Masters of Philosophy in School of Public Health and Community Medicine, UNSW

Supervisor: Prof Anthony Shakeshaft

Expected date of submission: February 2015

**Kari Lancaster** (2013-present)

*Social construction and the evidence-based drug policy endeavour*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Alison Ritter; Prof Carla Treloar

Expected date of submission: August 2016

**Clare McCormack** (2012-present)

*Prenatal alcohol exposure and infant cognitive development*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Richard Mattick; Dr Delyse Hutchinson; A/Prof Lucinda Burns

Expected date of submission: September 2015

**Timothy John McSweeney** (2009-2014)

*Promoting compliance, 'recovery' and 'desistance': Comparative case studies*

*of pre-sentence diversion schemes for drug misusing arrestees in Australia and England*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Caitlin Hughes, Prof Alison Ritter; Paul Turnbull

Submitted: August 2013

Conferred: January 2014

**Sonja Memedovic** (2012-present)

*Depression in people with opioid dependence*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Jo Ross; A/Prof Tim Slade; Prof Maree Teesson

Expected date of submission: August 2015

**Alice Munro** (2014-present)

*Evaluation of the 'Building Better Resistance in Country Communities (BRICCs)' project*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; Melissa Haswell-Elkins; Julaine Allan

Expected date of submission: March 2017

**Matthew O'Reilly** (2014-present)

*Understanding how high-level drug traffickers operate within Australia*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Caitlin Hughes; Dr Jenny Chalmers

Expected date of submission: March 2017

**Katrina Prior** (2014-present)

*The relationship between social phobia, depression and substance use disorders: The impact on treatment outcomes*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Jo Ross; A/Prof Katherine Mills; Prof Maree Teesson

Expected date of submission: March 2017

**Larissa Rossen** (2012 – present)

*Understanding the impact of early maternal bonding, parental substance*

*use and mental health on bonding and emotional availability in the first year of life*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Delyse Hutchinson; Professor Richard Mattick; A/Professor Lucinda Burns; Dr Judy Wilson

Expected date of submission: March 2016

**Amanda Roxburgh** (2012-present)

*Trends in prescription opioid use and related harms in Australia*

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisor: Prof Louisa Degenhardt

Expected date of submission: August 2016

**Mieke Snijder** (2013-present)

*Peer mentoring as a strategy to reduce alcohol-related injuries and violence among Aboriginal and Torres Strait Islander youth in rural New South Wales*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; Dr Bianca Calabria

Expected date of submission: February 2017

**Dam Anh Tran** (2009-present)

*Accessibility to antiretroviral (ARV) treatment in Vietnam*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Anthony Shakeshaft; A/Prof Chris Doran; Dr Anh Duc Ngo  
Submitted: March 2014

**Zoe Tonks** (2014-present)

*The development and evaluation of a combined parent and student*

Full time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Nicola Newton; A/Professor Tim Slade; Professor Maree Teesson

Expected date of submission: February 2017

**Michelle Helen Tye** (2011-present)

*Understanding the liability to violent offending among injection drug users:*

*the contribution of predispositional and substance use risks*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Shane Darke; Dr Sharlene Kaye; Dr Fiona Shand

Expected date of submission: May 2015

**Thu Thi Huong Vuong** (2012-present)

*Economic evaluation comparing centre-based compulsory drug rehabilitation and community-based voluntary methadone maintenance treatment in Hai Phong City, Vietnam*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisor: Prof Alison Ritter

Expected date of submission: March 2016

**Monika Wadolowski** (2012-2014)

*Disentangling early adolescent alcohol sipping and drinking: How do they relate to parental supply, parenting, peers and behaviour?*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Prof Richard Mattick; Dr Delyse Hutchinson; A/Prof Raimondo Bruno

Conferred: July 2014

**Elizabeth Whittaker** (2012-present)

*The association between homelessness and substance abuse*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Prof Lucinda Burns; Dr Wendy Swift; Prof Paul Flateau (external)

Expected date of submission: March 2016

**Kathryn Woodcock** (2013-present)

*Optimising treatment for trauma and related issues*

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Prof Frances Kay-Lambkin; A/Prof Katherine Mills; Prof Amanda Baker; A/Prof Peter Stanwell

Expected date of submission: June 2016

# Research grants and funding

CORE NDARC FUNDING	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
DoH Core Funding	DoH	\$2,469,336	\$6,625,736	3 years	Jul 2012 – Jun 2015
<b>TOTAL FOR CORE FUNDING</b>		<b>2,469,336</b>	<b>6,625,736</b>		

UNIVERSITY FUNDING SUPPORT	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
Faculty Support for Research Infrastructure	UNSW	\$1,296,930	\$1,296,930	1 year	Jan 2014 – Dec 2014
DVC Strategic Support for Research Infrastructure	UNSW	\$250,000	\$250,000	1 year	Jan 2014 – Dec 2014
Publications	UNSW	\$140,687	\$140,687	1 year	Jan 2014 – Dec 2014
Faculty Support for Research Fellowship Projects	UNSW	\$62,150	\$62,150	1 year	Jan 2014 – Dec 2014
Goldstar Award for L. Burns	UNSW	\$40,000	\$40,000	1 year	Jan 2014 – Dec 2014
Strategic Fund Allocation	UNSW	\$254,170	\$254,170	1 year	Jan 2014 – Dec 2014
MREII	UNSW	\$112,000	\$224,000	2 years	Jan 2013 – Dec 2014
EB Gap Funding	UNSW	\$1,105,668	\$1,105,668	1 year	Jan 2014 – Dec 2014
Safety Net Support Fellowship for K. Mills	UNSW	\$85,366	\$175,366	2 years	Jan 2014 – Dec 2015
<b>TOTAL FOR UNIVERSITY FUNDING SUPPORT</b>		<b>3,346,971</b>	<b>3,548,971</b>		

PROJECT TITLE	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
Indigenous adaptation of DA-CC	ACT Health	\$119,990	\$119,990	1 year	Mar 2014 – Dec 2014
Determining the Impact of Opioid Substitution Therapy on Mortality and Recidivism Among Prisoners	AIC	\$0	\$90,910	3 years	Nov 2011 – Oct 2014
A new generation of screening tools for mental disorders	ANU/ NHMRC	\$1,600	\$1,600	2 years	Jan 2014 – Dec 2014
Discovery Project – Is one drop too many?	ARC	\$120,000	\$760,000	5 years	Jan 2010 – Dec 2014
Assessing the effectiveness of community intervention for alcohol misuse with Indigenous Australians	ARC	\$0	\$30,000	2 years	Jan 2010 – Dec 2013*
Science policy interface ARCDP	ARC	\$50,000	\$105,000	2 years	Jan 2014 – Dec 2015
Assessing the effectiveness of a Community Reinforcement and Family Training intervention for alcohol misuse with Indigenous Australians	ARC	\$0	\$80,000	3 years	Jan 2010 – Dec 2013*
Alcohol use and mental disorders-longitudinal analyses from a large Australian cohort study	ARH/MIRG	\$0	\$43,700	2 years	Oct 2012 – Dec 2013*

PROJECT TITLE	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
Reducing the health, social and economic burden of injecting drug use in Australia	BURNET/ NHMRC	\$62,600	\$329,729	5 years	Jan 2011 – Dec 2015
Opioid use disorders	BURNET/ NHMRC	\$11,770	\$11,770	2 years	Jun 2014 – Dec 2015
Caylus	CAYLUS	\$10,000	\$30,022	3 years	Jan 2014 – Feb 2016
Drug Policy Modelling Program – Stage Two	CFT	\$0	\$7,661,973	6 years	Jan 2006 – Dec 2013*
Young Australians Alcohol Reporting System	Curtin/ ANPHA	\$0	\$62,814	3 years	Jul 2012 – Nov 2014
Platform 70 Evaluation Project	DFCS	\$39,545	\$197,726	3 years	Jun 2012 – Nov 2014
Recommendations for the prescribing of opioids in Tasmania	DoH (TASMANIA)	\$0	\$279,974	2 years	Nov 2010 – Dec 2013*
AOD Treatment System Review	DoH	\$425,144	\$944,765	2 years	Jul 2013 – Jun 2014
Schedule 4 – Drug Trends – incorporating the new IDRS and EDRS	DoH	\$1,500,000	\$4,820,130	4 years	May 2012 – Jun 2015
Schedule 7 – Substance Misuse in Pregnancy Resource Development Project	DoH	\$0	\$200,000	1 year	Jul 2013 – Sep 2014
Knowledge centre	DoH	\$10,000	\$15,000	2 years	Jan 2014 – Jun 2015
Comorbidity project – schedule 8	DoH	\$320,000	\$320,000	1 year	Jan 2014 – Nov 2015
Aas and other piers	DoH	\$150,000	\$150,000	1 year	Jul 2014 – Dec 2014
National Cannabis Prevention and Information Centre (NCPIC)	DoH	\$1,842,727	\$14,077,036	5 years	Nov 2010 – Dec 2014
Teacher and Parent Illicit Drug Resource Package	DoH	\$241,760	\$1,269,295	3 years	Jun 2012 – Dec 2014
Drunk, high or sober: How do alcohol and illicit drug prices affect young Australians' plans for Saturday night?	DOJ AND AG, NSW	\$0	\$35,000	3 years	Nov 2010 – Dec 2013*
Parental supply of alcohol: An expansion of a longitudinal cohort study to public schools Tasmania	FARE	\$0	\$17,609	1 year	Jan 2011 – Dec 2013*
Improving services to women who are pregnant and alcohol dependent	FARE	\$0	\$50,057	2 years	Jan 2011 – Dec 2013*
Improving services to families affected by Foetal Alcohol Spectrum Disorder (FASD)	FARE	\$0	\$50,057	2 years	Jan 2011 – Dec 2013*
Breaking the Cycle evaluation	Far West Medical	\$38,150	\$114,450	3 years	Apr 2014 – Dec 2016
Outreach evaluation of the inner city youth at risk project	HAC	\$0	\$265,879	4 years	Aug 2010 – Dec 2013*
The prevalence of drug and alcohol presentations on hospital-based services	HAC	\$0	\$332,581	3 years	Nov 2010 – Dec 2013*
PWIDS – Understanding the health and service needs of diverse populations of pharmaceutical opioid users: Cohort studies of dependent users in treatment.	HAC	\$0	\$72,800	2 years	Jan 2013 – Jun 2014
Study to identify women subject to homelessness and their reproductive health issues	HRTO	\$0	\$20,200	2 years	Sep 2012 – Dec 2013*

PROJECT TITLE	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
Camperdown Evaluation (*SubProject*)	HOUSING NSW	\$0	\$77,000	3 years	Sep 2012 – Mar 2014
Surveillance of the diversion and extra-medical use of Reformulated Oxycontin® – NOMAD	MUNDI	\$583,492	\$1,084,422	2 years	Sep 2013 – Dec 2014
Trafficking in multiple commodities: Exposing Australia's poly-drug and poly-crime networks	NDLERF	\$89,532	\$177,532	2 years	Jan 2013 – Jun 2014
Diversion evaluation NDLERF	NDERLF	\$81,981	\$117,115	1 year	Mar 2014 – Mar 2015
Targeted Call for Research (TCR) – Prevention for anxiety, depression and substance use (CLIMATE Schools)	NHMRC	\$457,345	\$1,709,989	6 years	Oct 2012 – Sep 2017
Combining universal and targeted drug prevention approaches	NHMRC	\$143,205	\$723,665	5 years	Jan 2011 – Dec 2015
RCT of a financial counselling intervention and smoking cessation assistance to SES groups	NHMRC	\$537,943	\$1,951,193	4 years	Jan 2012 – Dec 2015
Australian Longitudinal Study of Heroin Dependence: A 11-year study among heroin users	NHMRC	\$0	\$362,450	2 years	Jan 2012 – Dec 2013*
The Impact of Opioid Substitution Treatment for Heroin Dependence Upon Public Health and Public Order in Australia	NHMRC	\$0	\$195,865	2 years	Jan 2012 – Dec 2013*
Pharmaceutical Opioid Prescription for Chronic Pain in Australia: Trajectories of Prescribing, risk of adverse events & harm	NHMRC	\$199,720	\$1,059,308	5 years	Apr 2012 – Dec 2016
CRE in Mental Health and Substance Use: Translating innovative prevention and treatment	NHMRC	\$544,125	\$2,499,020	6 years	Nov 2012 – Oct 2017
The value of providing health interventions for heroin use: A cost benefit analysis	NHMRC	\$234,160	\$579,300	3 years	Jan 2013 – Dec 2015
The efficacy of behavioural activation therapy in treating depression among individuals with opioid dependence	NHMRC	\$234,708	\$708,999	3 years	Jan 2013 – Dec 2015
Diagnosing major depression in older Australian adults: Is there evidence for age-related bias?	NHMRC	\$82,769	\$197,846	2 years	Jan 2013 – Dec 2014
A randomised clinical trial of internet-based treatment for binge drinking and depression in young Australians	NHMRC	\$353,752	\$909,585	5 years	Oct 2012 – Mar 2016
Intervention trial to reduce alcohol related harms among high risk young Indigenous Australians	NHMRC	\$121,769	\$379,932	3 years	Jan 2013 – Dec 2015
Literature review for National Mental Health Commission's Report Card on Mental Health and Suicide Prevention	NHMHC	\$0	\$28,570	1 year	Jul 2013 – Aug 2013*
Maintenance: Maximising treatment participation among heroin users released from prison. (*SubProject*)	NHMRC	\$5,000	\$10,000	4 years	Jan 2012 – Dec 2015
Investigating the relationships between alcohol and other drug use, mental health, early-life factors and life-course outcomes	NHMRC	\$437,533	\$261,266	2 years	Jan 2014 – Dec 2015
NSW Opioid Treatment Program: Modelling policy options	MoH	\$0	\$45,455	1 year	Apr 2013 – Jun 2013*
GPs' opioid prescribing	MoH	\$0	\$62,580	3 years	Dec 2012 – Dec 2014
Indigenous alcohol injuries	MoH	\$273,920	\$929,060	3 years	Jan 2014 – June 2016

PROJECT TITLE	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
Traumatic stress among adolescents	MoH	\$73,868	\$73,868	1 year	Jan 2014 – Dec 2014
Ongoing surveillance of the diversion of medications used in opioid substitution treatment	RB	\$397,371	\$1,048,447	3 years	Sep 2011 – Dec 2013*
Ongoing post-marketing surveillance of Suboxone film 2013	RB	\$0	\$307,869	1 year	Mar 2013 – Dec 2013*
Post-marketing surveillance of buprenorphine-naloxone (Suboxone)	RB	\$0	\$359,655	3 years	Jan 2006 – Dec 2013*
RB POINT sub-study	RB	\$55,792	\$65,792	2 years	Mar 2014 – Oct 2015
A randomized controlled trial (RCT) to assess the acceptability of a switch from Suboxone sublingual tablets to Suboxone sublingual film	SESAHS	\$0	\$65,000	1 year	Jan 2010 – Dec 2013*
Illicit substance use	SI	\$20,870	\$20,870	1 year	Jan 2014 – Dec 2014
The Misha Project – Univ of Western Australia/ Mission Australia Contract Research Shared Grant	UNIV OF WA	\$8,162	\$50,522	4 years	Dec 2011 – Dec 2014
Centre of Research Excellence in Evidence-based Mental Health Planning: Translating Evidence into Policy and Services	UQ	\$81,170	\$487,020	6 years	Oct 2012 – Sep 2017
Vict Alcohol & Drug Association	VADA	\$22,511	\$22,511	1 year	Jul 2014 – Oct 2014
Systematic review of Hepatitis C virus prevalence and incidence in closed settings	WHO	\$0	\$9,507	1 year	Sep 2012 – Dec 2013*
<b>SUB TOTAL FOR PROJECTS</b>		<b>\$9,983,984</b>	<b>\$49,141,280</b>		

SCHOLARSHIPS AND FELLOWSHIPS	FUNDING SOURCE	2014 YEAR GRANT AWARD	TOTAL GRANT AWARD	DURATION	START & END DATE OF PROJECT
<b>Scholarships</b>					
APA PhD Scholarship for L. Albertella	DET	\$24,653	\$73,959	3 years	Feb 2013 – Feb 2016
APA PhD Scholarship for L. Birell	DET	\$25,392	\$76,176	3 years	Feb 2014 – Feb 2017
APA PhD Scholarship for K. Lancaster	DET	\$24,653	\$73,959	3 years	Mar 2013 – Mar 2016
APA PhD Scholarship for S. Memedovic	DET	\$23,728	\$71,184	3 years	Feb 2012 – Aug 2015
APA PhD Scholarship for M. O'Reilly	DET	\$25,392	\$76,176	3 years	Jan 2014 – Jan 2017
APA PhD Scholarship for K. Prior	DET	\$25,392	\$76,176	3 years	Mar 2014 – Mar 2017
APA PhD Scholarship for L. Webb	DET	\$25,849	\$77,547	3 years	Mar 2015 – Mar 2018
Brain Sciences PhD Scholarship top-up for S.Memedovic	BS	\$5,000	\$15,000	3 years	Jan 2013 – Dec 2016
FARE PhD Scholarship for A. Jainullabudeen	FARE	\$5,000	\$20,000	4 years	Mar 2012 – Mar 2014
David Henning Memorial Phd Scholarship top-up for L. Birrell	ARH	\$2,608	\$2,608	1 year	Jan 2014 – Dec 2014
Ian Scot Scholarship for C. McCormack	ARH	\$3,000	\$6,134	2 years	Apr 2013 – Dec 2014

<b>SCHOLARSHIPS AND FELLOWSHIPS</b>	<b>FUNDING SOURCE</b>	<b>2014 YEAR GRANT AWARD</b>	<b>TOTAL GRANT AWARD</b>	<b>DURATION</b>	<b>START &amp; END DATE OF PROJECT</b>
Ian Scot Scholarship for K. Prior	ARH	\$2,608	\$2,608	1 year	Jan 2014 – Dec 2014
Ian Scot Scholarship for Z. Tonks	ARH	\$17,000	\$17,000	1 year	Jan 2014 – Dec 2014
NDARC PhD Scholarship top-up for K. Champion	NDARC	\$2,272	\$78,000	3 years	Aug 2012 – Aug 2015
NDARC PhD Scholarship for M. Deady	NDARC	\$26,000	\$78,000	3 years	Mar 2012 – Mar 2015
NDARC PhD Scholarship for C. Foley	NDARC	\$26,000	\$78,000	3 years	Mar 2014 – Mar 2017
NDARC PhD Scholarship for E. Kelly	NDARC	\$26,000	\$78,000	3 years	Jan 2013 – Jan 2016
NDARC PhD Scholarship for C. McCormack	NDARC	\$26,000	\$78,000	3 years	Mar 2012 – Dec 2015
NDARC PhD Scholarship top-up for S. Memedovic	NDARC	\$2,272	\$2,272	3 years	Jan 2013 – Dec 2016
NDARC PhD Scholarship top-up for M. O'Reilly	NDARC	\$15,000	\$45,000	3 years	Feb 2014 – Feb 2017
NDARC PhD Scholarship top-up for Z. Tonks	NDARC	\$11,000	\$33,000	3 years	Feb 2014 – Feb 2017
NDARC PhD Scholarship for M. Tye	NDARC	\$26,000	\$78,000	3 years	Aug 2011 – Jun 2014
NDARC PhD Scholarship for T. Vuong	NDARC	\$26,000	\$78,000	3 years	Feb 2012 – Feb 2015
NDARC PhD Scholarship for M. Wadolowski	NDARC	\$6,300	\$78,000	3 years	Mar 2011 – Mar 2014
NDARC PhD Scholarship for E. Whittaker	NDARC	\$26,000	\$78,000	3 years	Aug 2012 – Aug 2015
NDARC PhD Scholarship for K. Woodcock	NDARC	\$26,000	\$78,000	3 years	Jan 2013 – Jan 2016
NET PhD Scholarship & research funds for L. Rossen	NET	\$40,000	\$120,000	4 years	Feb 2012 – Dec 2015
NET PhD Scholarship & research funds for M. Snijder	NET	\$40,000	\$120,000	3 years	Jan 2014 – Jan 2016
NHMRC PhD Scholarship for K. Champion	NHMRC	\$25,979	\$78,437	3 years	Jan 2013 – Dec 2015
<b>Fellowships</b>					
Early Career Fellowship for M. Barratt	NHMRC	\$76,149	\$304,596	4 years	Jan 2014 – Dec 2017
Early Career Fellowship for B. Larance	NHMRC	\$76,149	\$304,596	4 years	Jan 2014 – Dec 2017
Early Career Fellowship for S. Larney	NHMRC	\$68,723	\$303,924	4 years	Jan 2012 – Dec 2015
Research Fellowship for F. Kay-Lambkin	NHMRC	\$96,040	\$384,160	4 years	Feb 2011 – Dec 2014
Early Career Fellowship for M. Livingston	NHMRC	\$74,891	\$299,564	4 years	Jan 2013 – Dec 2016
Early Career Fellowship for M. Sunderland	NHMRC	\$74,891	\$299,564	4 years	Jan 2013 – Dec 2016
Principal Research Fellowship for L. Degenhardt	NHMRC	\$142,949	\$714,745	5 years	Jul 2013 – Dec 2017
Principal Research Fellowship for R. Mattick	NHMRC	\$142,949	\$714,745	5 years	Jan 2013 – Dec 2017

<b>SCHOLARSHIPS AND FELLOWSHIPS</b>	<b>FUNDING SOURCE</b>	<b>2014 YEAR GRANT AWARD</b>	<b>TOTAL GRANT AWARD</b>	<b>DURATION</b>	<b>START &amp; END DATE OF PROJECT</b>
Senior Research Fellowship for A. Ritter	NHMRC	\$116,182	\$580,910	5 years	Jan 2012 – Dec 2016
Senior Research Fellowship for M. Teesson	NHMRC	\$130,553	\$652,765	5 years	Jan 2013 – Dec 2017
Early Career Fellowship for S. Nielsen	NHMRC	\$77,359	\$154,718	2 years	Jan 2014 – Dec 2015
Geoffrey Betts Postdoctoral Fellowship For T. Handley	ROTARY	\$75,000	\$225,000	3 years	Jan 2014 – Dec 2016
Royce Abbey Postdoctoral Fellowship for J. Smith	ROTARY	\$75,000	\$225,000	3 years	Jan 2014 – Dec 2016
<b>SUB TOTAL SCHOLARSHIPS AND FELLOWSHIPS</b>		<b>\$1,761,933</b>	<b>\$6,853,523</b>		
<b>TOTAL FOR PROJECTS, SCHOLARSHIPS AND FELLOWSHIPS</b>		<b>\$11,745,917</b>	<b>\$56,085,713</b>		

<b>OTHER INCOME</b>	<b>FUNDING SOURCE</b>	<b>2014 YEAR GRANT AWARD</b>	<b>TOTAL GRANT AWARD</b>	<b>DURATION</b>	<b>START &amp; END DATE OF PROJECT</b>
Royalties	EXT	\$2,102	\$2,102	N/A	N/A
Annual Symposium	NDARC	\$22,763	\$22,763	1 year	Jan 2014 – Dec 2014
Drug Trends Conference	NDARC	\$14,764	\$14,764	1 year	Jan 2014 – Dec 2014
NDARC External Consultancy Research	NDARC	\$25,348	\$25,348	1 year	Jan 2014 – Dec 2014
<b>TOTAL OTHER INCOME</b>		<b>\$64,977</b>	<b>\$64,977</b>		
<b>GRAND TOTAL OF RESEARCH AWARDS TO NDARC</b>		<b>\$17,627,201</b>	<b>\$66,325,398</b>		

\*Denotes Project extension granted.

# NDARC Seminar Series

## External Presenters

3 February

*Open access in 2014: The power to change publishing is in your hands*

Dr Virginia Barbour  
Medicine Editorial Director,  
Public Library Of Science  
(PLOS)

27 February

*Explicit, implicit and psychophysiological assessment of affective evaluations of plain cigarette packaging*

Dr Bill Budd  
School of Psychology,  
University of Newcastle

20 March

*What can digital technologies add to screening and brief intervention for alcohol use in healthcare settings?*

Prof Paul Wallace  
University College, London,  
United Kingdom

10 April

*Cannabis in Europe: Trends, developments and treatment approaches*

Dr Eva Hoch  
Department of Addictive  
Behaviour and Addiction  
Medicine, Central Institute of  
Mental Health, Heidelberg  
University, Germany

12 June

*Smoking: A symptom of disordered eating? Findings from an Australian adult twin cohort*

Dr Kate Fairweather-Schmidt  
Postdoctoral Fellow, School of  
Psychology, Flinders University

4 July

*Examining the effectiveness of naloxone (take-home; on release) to reduce opioid overdose deaths*

Prof Sheila Bird  
MRC Biostatistics Unit,  
University of Cambridge, United  
Kingdom

17 July

*Changes in alcohol use after a major disaster: The experience of Minamisoma*

Stuart Gilmour  
Assistant Professor,  
Department of Global Health  
Policy, Graduate School of  
Medicine, The University of  
Tokyo, Japan

31 July

*Tobacco: A Global, Legal, Profitable, Preventable, Curable, Addictive Public Health Issue*

Prof Clyde McCoy  
Department of Epidemiology  
and Public Health Director,  
Comprehensive Drug Research  
Center, University of Miami  
Miller School of Medicine,  
United States

21 August

*Regular cocaine use is associated with increased systolic blood pressure, aortic stiffness and left ventricular mass in young, otherwise healthy individuals*

Prof Gemma Figtree & Dr  
Rebecca Kozor  
Kolling Centre of Medical  
Research, University of Sydney

25 September

*Substance use, PTSD, and interpersonal violence*

A/Prof Julianne Flanagan  
Department of Psychiatry and  
Behavioural Sciences, Medical  
University of South Carolina,  
United States

23 October

*Pharmacovigilance responsibilities of sponsors of medicines: An industry perspective – What will researchers now be asked to do?*

Mark Anns  
Clinical and Scientific Affairs  
Manager, Reckitt Benckiser

27 November

*Understanding Hard to Maintain Behaviour Change: A Dual Process Approach*

Prof Ron Borland  
Distinguished Fellow, Cancer  
Prevention at Cancer Council  
Victoria

## Internal Presenters

13 March

*Circumstances and toxicology of sudden or unnatural deaths involving alprazolam*

Prof Shane Darke

27 March

*Examining the potential impact of tamper resistant (“abuse deterrent”) formulations upon the use of opioids: An overview of the National Opioid Medications Abuse Deterrence (NOMAD) study*

Prof Louisa Degenhardt

17 April

*Monitoring Dark Web Marketplaces – Beyond the Silk Road*

Joe Van Buskirk

24 April

*Cannabis and sleep: A review*

Dr Peter Gates

8 May

*The Triple B Study – Bumps, Babies and Beyond: Project Update 2014*

Clare McCormack & Larissa  
Rossen

15 May

*Codeine: Powerful pain relief or potential peril*

Dr Suzanne Nielsen

22 May

*Emerging Perspectives in the Management of Comorbid Mental Health and Substance Use Problems*

A/Prof Frances Kay-Lambkin

29 May

*Development and evaluation of an Internet-based prevention program for ecstasy and new and emerging drugs: The Climate Schools Interactive Study*

Katrina Champion  
*Bullying and Substance Use*

19 June

*A Brief Introduction to OpenClinica: Clinical trial software for electronic data capture (EDC) and clinical data management (CDM)*

Xanthe Larkin

26 June

*Pain and Opioids in Treatment (POINT): An Overview of the POINT study*

Gabrielle Campbell & Bianca  
Hoban

10 July

*Housing is the first step: Preliminary findings from two ‘Housing First’ evaluations*

Liz Whittaker & Liv Schollar-Root

11 September

*Substance Use in Pregnancy: Developing a resource for primary care*

Dr Courtney Breen & Emilie  
Awbery

*Modelling marijuana markets – Cross-cultural policy comparison*

Vendula Belackova

18 September

*Patterns and correlates of non-fatal heroin overdose over 11 years: Findings from the Australian Treatment Outcome Study*

Prof Shane Darke

9 October

*The Prevalence and Correlates of Substance Use Disorders Comorbid with Mood and Anxiety Disorders: A National Perspective*

Katrina Prior

*Limitations of CDC hepatitis C screening recommendations in prisons*

Dr Sarah Larney

16 October

*Responding to the needs of young indigenous Australians with multiple and complex needs*

A/Prof Anthony Shakeshaft

30 October

*DPMP and the review of AOD treatment services for the Commonwealth*

Prof Alison Ritter

13 November

*Can inhibitory training reduce heavy drinking?*

Janette Smith

20 November

*A cross-national comparison of the ‘recovery’ concept in British and Australian drug policy*

Kari Lancaster

# Publications

## NDARC technical reports

**325. Hutchinson, D. M., Mattick, R. P., Braunstein, D., Maloney, E., & Wilson, J.** (2014). *The impact of alcohol use disorders on family life: a review of the empirical literature*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**326. Rose, M., Calabria, B., Allan, J., Clifford, A., & Shakeshaft, A. P.** (2014). *Aboriginal-specific Community Reinforcement Approach (CRA) training manual*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales

**327. Rose, M., Calabria, B., Allan, J., Clifford, A., & Shakeshaft, A. P.** (2014). *Aboriginal-specific Community Reinforcement and Family Training (CRAFT) manual*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**328. Larance, B., Lintzeris, N., Ali, R., Dietze, P., Mattick, R. P., Jenkinson, R., White, N., Kihlas, I., Cassidy, R., & Degenhardt, L.** (2014). *Key findings from the post-marketing surveillance studies of the diversion and injection of buprenorphine-naloxone film in Australia, 2013*. Sydney, NSW: National Drug and Alcohol Research Centre, University of NSW.

**329. Nielsen, S., Degenhardt, L., Hoban, B., & Gisev, N.** (2014). *Comparing opioids: A guide to estimating oral morphine equivalents (OME) in research*. Sydney, NSW: National Drug and Alcohol Research Centre, University of NSW.

**330. Gisev, N., Larney, S., Kimber, J., Gibson, A., Dobbins, T., Mattick, R., Butler, T., & Degenhardt, L.** (2014). *Determining the impact of opioid substitution therapy upon mortality and recidivism among prisoners: A 22 year data linkage study*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

## Australian drug trends series

**109. Stafford, J., & Burns, L.** (2014). *Australian Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**110. McKell, D., & Burns, L.** (2014). *NSW Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**111. Butler, K. Burns L.** (2014). *ACT Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**112. Cogger, S., Dietze, P., & Lloyd, B.** (2014). *Victorian Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**113. de Graaff, B., Peacock, A., & Bruno, R.** (2014). *Tasmanian Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**114. Sutherland, R. Burns L.** (2014). *SA Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**115. Fetherston, J., & Lenton, S.** (2014). *WA Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**116. Moon, C.** (2014). *NT Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**117. McIlwraith, F., Hickey, S., & Alati, R.** (2014). *Queensland Drug Trends 2013: Findings from the Illicit Drug Reporting System (IDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**118. Sindicich, N., & Burns, L.** (2014). *Australian Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**119. Entwistle, G., & Burns, L.** (2014). *NSW Trends in Ecstasy and*

*Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**120. Butler, K., & Burns, L.** (2014). *ACT Trends in Ecstasy and Related Drug Markets 2013: Findings from the ecstasy and related drugs reporting system (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**121. Papanastasiou, C., Dietze, P., & Lloyd, B.** (2014). *Victorian Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**122. Matthews, A., Bruno, R., & Nicholls, C.** (2014). *Tasmanian Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**123. Sutherland, R., Burns L.** (2014). *SA Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug & Alcohol Research Centre, University of New South Wales.

**124. Grigg, J., & Lenton, S.** (2014). *WA Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**125. Whittaker, E., & Burns, L.** (2014). *NT Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

**126. Hickey, S., McIlwraith, F., & Alati, R.** (2014). *Queensland Trends in Ecstasy and Related Drug Markets 2013: Findings from the Ecstasy and Related Drugs Reporting System (EDRS)*. Sydney, NSW: National Drug and Alcohol Research Centre, University of New South Wales.

## National Cannabis Prevention and Information Centre (NCPIC)

**Copeland, J., & Clement, N.** (2014). The use of cannabis for medical purposes. *NCPIC Bulletin*, 18, 1-10.

## Drug Policy Modelling Program (DPMP)

**Buykx, P., Ward, B., & Chisholm, M.** (2013). *Planning alcohol and other drug services in rural and remote areas: the role of spatial access. Working Paper No. 2.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Chalmers, J., & Ritter, A.** (2014). *Alcohol and other drug treatment utilisation in Australia. Working Paper No. 8.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Chalmers, J., Ritter, A. & Berends, L.** (2013). *Alcohol and other drug treatment financing in Australia: Funding flows. Working Paper No. 3.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Gomez, M., & Ritter, A.** (2014). *“Hard to count” or unrecorded treatment utilisation for alcohol and other drugs. Working Paper No. 6.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Hughes, C.** (2014). *The Australian (illicit) drug policy timeline: 1985-2014.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Hughes, C. and Ritter, A.** (2011, released 2014). *Legal thresholds for serious drug offences: Expert advice to the ACT on the amounts for trafficable, commercial and large commercial drug offences. (Drug Policy Modelling Program (DPMP) Monograph Series, no. 22).* Sydney: National Drug and Alcohol Research Centre, University of New South Wales.

**Hughes, C., Shanahan, M., Ritter, A., McDonald, D., & Gray-Weale, F.** (2014). *Evaluation of Australian Capital*

*Territory drug diversion programs. (Drug Policy Modelling Program (DPMP) Monograph Series, no. 25).* Sydney: National Drug and Alcohol Research Centre, University of New South Wales.

**Hull, P., & Ritter, A.** (2014). *The potential role of pay-for-performance in alcohol and other drug treatment funding: a literature review. Working Paper No. 5.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Berends, L., Chalmers, J., Hull, P., Lancaster, K., & Gomez, M.** (2014) *New Horizons: The review of alcohol and other drug treatment services in Australia, Final report submitted to the Commonwealth Department of Health.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Chalmers, J., & Berends, L.** (2014). *Australian alcohol and other drug treatment spending. Working Paper No 7.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Chalmers, J., & Berends, L.** (2014). *The Non Government Organisation Treatment Grants Program (NGOTGP) and the Substance Misuse Service Delivery Grants Fund (SMSDGF) – a descriptive overview. Working Paper No. 4.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Chalmers, J., & Sunderland, M.** (2013). *Estimating need and demand for treatment – a background briefing. Working Paper No. 1.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Hull, P., Berends, L., & Chalmers, J.** (2014). *Approaches to purchasing alcohol and other drug treatment in Australia. Working Paper No. 10.* Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

**Ritter, A., Hull, P., Berends, L., & Chalmers, J.** (2014). *Planning processes for alcohol and other drug treatment in Australia. Working Paper*

No. 9. Sydney: Drug Policy Modelling Program, National Drug and Alcohol Research Centre, University of New South Wales.

## Other reports

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# Conference presentations

**Acharya, S., Howard, J.\*, Copeland, J., Lama, K., Shrestha, R., Pant, S., & Sushil, M.** *The changing face of Ganja in Nepal: Implications for policy and practice.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Adam, P., Treloar, C., Bryant, J., Lea, T., Holden, J., Duck, T., Power, C., Bourne, C., Murray, C., Shepherd, B., Howard, J.\*, & de Wit, J.** *Strengthening sexual health promotion for young people: A comprehensive assessment of barriers to condom use and HIV/STI testing for program development.* Presented at the 20th International AIDS Conference, Melbourne, 20-25 July.

**Alam Mehrjerdi, Z.\*, Kiakojour, A., Noori, R., Naranjiha, H., & Dolan, K.** *Opioid Use, Treatment and Harm Reduction Policies: Lessons from the Persian Gulf Region and the Middle East.* Presented at the Eighth Annual Conference of the ISSDP, Rome, 21-23 May.

**Alam Mehrjerdi, Z.\*, Dolan, K., & Deylamizade, A.** *Women treatment seekers and methamphetamine use: the first report from the Persian Gulf region.* Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.

**Alperstein, D.\*** *The Harms and how cannabis impacts on Adolescent Development.* Keynote presentation at the Central Coast Mental Health and Schools Conference, Gosford, 3 April.

**Awbery, E.\*, Breen, C., & Burns, L.** *What is the evidence for screening, brief intervention and treatment for pregnant, substance using women?* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Barratt, M. J.\*, & Bruno, R.** *New psychoactive substances in Australia. What is the problem represented to be?* Presented at the 7th Annual ACT Alcohol, Tobacco and Other Drug Sector Conference, Canberra, 24 September.

**Barratt, M. J.\*, Maddox, A., Lenton, S., & Allen, M.** *Conducting sensitive research in volatile online environments: The Silk Road story.* Presented at the 6th Annual Illicit Networks Workshop, Adelaide, 11 December.

**Barratt, M. J.\*, Maddox, A., Lenton, S., & Allen, M.** *Conducting*

*sensitive research in volatile online environments: the Silk Road story.* Presented at the ACSPRI Social Science Methodology Conference 2014, Sydney, 8 December.

**Barrett, E. L.\*, Mills K. L., & Teesson M.** *PTSD, substance use and aggression: A volatile mix.* Presented at the 12th Annual UNSW Forensic Psychology Research Conference, Sydney, 28-29 October.

**Barrett, E. L.\*, Newton N. C., Teesson M., Conrod P., Slade T., Champion K., Kelly E., Rosenfeld J., & Nair N. A.** *Comprehensive intervention to prevent substance use and associated harms among Australian adolescents.* Presented at the NHMRC National Centre of Research Excellence in Mental Health and Substance Use Conference, Perth, 26 August.

**Barrett, E. L.\*, Teesson M., Chapman C., Slade T., Carragher N., & Mills K.L.** *Substance use and mental health consequences of childhood trauma: An epidemiological investigation.* Presentation and Co-Chair at the College on Problems of Drug Dependence Annual Meeting, San Juan, 14-19 June.

**Barrett, E. L.\*** *Substance use and mental health consequences of childhood trauma: An epidemiological investigation.* Invited to present at the inaugural College on Problems of Drug Dependence Annual Meeting Media Forum, San Juan, 14-19 June.

**Batterham, P.J., Sunderland, M., Carragher, N.\*, Calear, A., & Brewer, J.L.** *New item banks to assess mental health.* Presented at the Society for Mental Health Research Annual Conference, Adelaide, 3-5 December.

**Birrell, L.\*, Slade, T., Newton, N., Teesson, M., Chapman, C., & Tonks, Z.** *Timing matters in prevention. The temporal relationships between internalising (mood and anxiety) disorders and the initiation of alcohol use.* Presented at the Alliance for the Prevention of Mental Disorders Conference, Adelaide, 2 December.

**Birrell, L.\*, Slade, T., Newton, N., Teesson, M., Chapman, C., & Tonks, Z.** *Temporal relationships between internalising (mood and anxiety) disorders and the initiation of alcohol use: Findings from the 2007 National Survey of Mental Health and*

*Wellbeing.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Birrell, L.\*, Slade, T., Newton, N., Teesson, M., Chapman, C., & Tonks, Z.** *Sad, Fearful and Starting to Drink.* Oral poster presentation at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Birrell, L.\*, Slade, T., Newton, N., Teesson, M., Chapman, C., & Tonks, Z.** *Exploring the relationships between first alcohol use, mood and anxiety disorders.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Birrell, L.\*** *Exploring the relationships between first alcohol use, mood and anxiety disorders.* Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.

**Breen, C.\*, Awbery, E., & Burns, L.** *Reducing the risks of substance use in pregnancy: Framework for treatment in primary care.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Brewer, J.L., Batterham, P.J., Sunderland, M., Carragher, N.\*, & Calear, A.** *New item banks to assess mental health: item selection process.* Presented at the Society for Mental Health Research Annual Conference, Adelaide, 3-5 December.

**Butler, K.\*, & Burns, L.** *Hepatitis C testing and treatment among people who inject drugs.* Invited presentation at the Sixth Annual Research Symposium – Advances in Public Health and Health Services Research at UNSW, Sydney, 4 September.

**Butler, K.\*, & Burns, L.** *Hepatitis C testing and treatment among people who inject drugs.* Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Butler, K.\*, & Burns, L.** *Hepatitis C testing and treatment among people who inject drugs.* Keynote presentation at 2014 National Drug Trends Conference, Sydney, 20 October.

**Butler, K.\*, & Burns, L.** *Black, white, or shades of grey? Illicit opioid and methamphetamine use in the ACT.* Poster presented at 2014 National Drug Trends Conference, Sydney, 20 October.

**Butler, K.\*, & Burns, L.** *Hepatitis C testing and treatment among people*

who inject drugs. Poster presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Butler, K.\*, Reeve, R.\*, Arora, S., Viney, R., Burns, L., Goodall, S., & Van Gool, K.** *Impact of Consultation Liaison Services on Improving Patient Outcomes and Reducing the Burden of Drug and Alcohol Problems on NSW Hospitals.* Late breaking paper presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Bruno, R., Reddel, S., Dietze, P., Nielsen, S.\*, DeGraaff, B., & Burns, L.** *Misuse of alprazolam amongst people who inject drugs: A prescription for harm?* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Bruno, R., Reddel, S., Dietze, P., deGraaff, B., Nielsen, S.\*, & Burns, L., editors.** *Misuse of alprazolam among people who inject drugs: A prescription for harm?* Presented at the College on Problems of Drug Dependence 76th Annual Meeting, San Juan, 19 June.

**Cama, E.\*, Laranca, B., Nelson, E., & Degenhardt, L.** *Stimulant and opioid dependence as predictors of adult perpetration of violence.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 11 November.

**Campbell, G.\*** *POINT: Pain and Opioids IN Treatment study: Preliminary findings.* Invited presentation at the National Pharmacy Guild Conference, Sydney, 21 June.

**Campbell, G.\*** *Characteristics of a national sample of people with chronic non-cancer pain prescribed prescription opioids.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Campbell, G., Mattick, R., Bruno, R., Laranca, B., Nielsen, S.\*, Cohen, M., Lintzeris, N., Shand, F., Hall, W., Farrell, M., & Degenhardt, L.** *Characteristics of a national sample of people with chronic non-cancer pain prescribed prescription opioids.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Carragher, N.\*, Teesson, M., Newton, N., Champion, K., Kelly, E., Nair, N., Barrett, E., Conrod, P., Sunderland, M., & Slade, T.**

*Modelling psychopathology structure: A developmental perspective.*

Presented at the Society for Mental Health Research Annual Conference, Adelaide, 3-5 December.

**Chalmers, J.\*, & Ritter, A.** *Estimating Alcohol and other Drug Treatment Utilisation in Australia.* Presented at the 8th Annual ISSDP Conference, Rome, 23 May.

**Chalmers, J.\*** *Estimating unmet demand for AOD treatment in Australia.* Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Champion, K. E.\*, Newton, N.C., & Teesson, M.** *The Climate Schools Interactive (CSI) Study: A cluster randomised controlled trial of an online school-based prevention program for ecstasy and new and emerging drugs.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Champion, K. E.\*, Newton, N.C., Stapinski, L., Slade, T., Barrett, E.L., & Teesson, M.** *A cross-validation trial of a universal prevention program for alcohol and cannabis: 6-month outcomes.* 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Champion, K. E.\*, Newton, N. C., Stapinski, L., Slade, T., Barrett, E. L., & Teesson, M.** *Delivering Internet-based prevention for alcohol and cannabis: results from a cluster randomised controlled trial.* Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.

**Chan, T., & Nielsen, S.\*** *Pharmacists' Gap of Knowledge Survey Drug and Alcohol Issues.* Presented at the National Medicines Symposium, Brisbane, 21-23 May.

**Chapman, C.\*, Slade, T., Swift, W., Tonks, Z., & Teesson, M.** *International trends over time in alcohol and cannabis use: are women catching up to men?* Presented at The Mental Health Services Conference, Perth, 27-29 August.

**Chapman, C.\*, Slade, T., Swift, W., Tonks, Z., & Teesson, M.** *International trends over time in the prevalence and harms of alcohol and cannabis use: What is the evidence for the closing gender gap?* Presented at The Society for Mental Health

Research Conference, Adelaide, 3-5 December.

**Slade, T., Chapman, C.\*, Swift, W., Tonks, Z., & Teesson, M.** *International trends over time in the prevalence and harms of alcohol and cannabis use: What is the evidence for the closing gender gap?* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Chapman, C.\*** *Career Interrupted: Relaunching an academic career after a 6.5 year break.* Invited presentation at the Early Career Workshop, The Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Chapman, C.\*, Slade, T., Swift, W., Tonks, Z., Newton, N., Mills, K., McEvoy, P., Hunt, C., & Teesson, M.** *Comorbidity: What is it and how does it affect young people?* Invited presentation at the NHMRC Centre of Research Excellence in Mental Health and Substance Use (CREMS) Comorbidity Workshop, Perth, 26 August.

**Clare, P., Courtney, R.J.\*, Slade, T., Martire, K., & Mattick R.P.** *The use of smoking cessation and quit support services by socioeconomic status over 10 years of the National Drug Strategy Household Survey.* Presented at the 15th SRNT – Europe Meeting, Santiago de Compostela, 20 September.

**Copeland, J.\*, & Allsop, D.** *Changes in cigarette and alcohol use during cannabis abstinence.* Presented at the 76th College on Problems of Drug Dependence Conference, Puerto Rico, 17 June.

**Copeland, J.\*, & Allsop, D.** *Specialist 'cannabis only' clinics in NSW, Australia: Client and treatment characteristics and associations with treatment seeking behaviour.* Presented at the 76th College on Problems of Drug Dependence Conference, Puerto Rico, 16 June.

**Copeland, J.\*, & Allsop, D.** *Specialist 'cannabis only' clinics in NSW, Australia: Client and treatment characteristics and associations with treatment seeking behaviour.* The National Institute on Drug Abuse (NIDA) International Forum, San Juan PR, 16 June.

**Copeland, J.\*** *The challenge of effective and culturally sensitive research methodologies: Australian Aboriginal and Torres Strait Islander*

communities. 76th College on Problems of Drug Dependence Conference, San Juan PR, 15 June.

**Copeland, J.\*** *Global Perspectives on Marijuana Policy, Research, and Knowledge Gaps*. The National Institute on Drug Abuse (NIDA) International Forum, Puerto Rico, 14 June.

**Copeland, J.\*** *Interventions for cannabis use disorder*. Invited workshop for the General Practice in Addiction Conference, Lancemore, 24 May.

**Courtney R.J.\*** *A randomised clinical trial evaluating the cost-effectiveness of a financial intervention couple with nicotine replacement therapy for low-socioeconomic status Australian smokers: A study protocol*. Presented at the 15th Society for Research in Nicotine and Tobacco (SRNT) – Europe Meeting, Santiago de Compostela, 19 September.

**Courtney R.J.\*** *The relationship between socioeconomic status and 'hardcore' smoking over time: A greater accumulation of hardened smokers in low-SES than high-SES smokers*. Presented at the 15th SRNT – Europe Meeting, Santiago de Compostela, 19 September.

**Courtney, R.J.\*, Shakeshaft, A., Clare, P., Martire, K., & Mattick, R.P.** *Research output among low socio-economic status and disadvantaged population groups: A systematic review of smoking cessation research output over time*. Presented at the 15th SRNT – Europe meeting, Santiago de Compostela, 19 September.

**Courtney, R.J.\*, Bradford, B., Martire, K., Borland, R., & Mattick, R.P.** *Socio-demographic and health profile of Australian daily smokers from high and low socio-economic areas: Findings from the National Drug Strategy Household Survey*. 15th SRNT – Europe meeting, Santiago de Compostela, 19 September.

**Dalton, K., Smith, J.L.\*, Joseph, M., & Rushby, J.A.** *Beginning to binge drink: Its effect on behavioural inhibition in adolescents and young adults*. Poster presented at the 24th Australasian Society for Psychophysiology Conference, Coffs Harbour, 26-28 November.

**Daneshmand, R., Arshad, L., Alam mehrjerdi, Z.\*** *The treatment needs of women with methamphetamine*

*use: Implications for implementing cognitive-behavioural intervention*. Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.

**Daneshmand, R., Shishegar, S., Alam Mehrjerdi, Z.\*, & Fathy, Z.** *The psychological problems of female co-users of opiates with methamphetamine: implications for longer treatment retention*. Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.

**Daneshmand, R., Alam Mehrjerdi, Z.\*, Shishegar, S., Bonakdar Tehrani, M., & Arshad, L.** *HCV Infection and its correlates among people who inject drugs: Implications for immediate treatments*. Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.

**Davies, L., Dunn, M.\* & Lancaster, K.** *How does Australian print media depict illicit and performance-enhancing drug use in sport? An analysis of print media reporting on the Australian Football League and the National Rugby League*. Poster presented at Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Deady, M.\*, Teesson, M., Kay-Lambkin, F., & Mills, K.** *The DEAL Project: Preliminary findings*. Presented at the International Society for Research on Internet Interventions Conference, Valencia, 23-25 October.

**Deady, M.\*, & Christensen, H.** *Designing games for acceptability and interactivity (Pure Rush & SHADoW)*. Presented at the International Society for Research on Internet Interventions Conference, Valencia, 23-25 October.

**Deady, M.\*, Teesson, M., Kay-Lambkin, F., & Mills, K.** *The DEAL Project: An online intervention for co-occurring depression and alcohol use in young people*. Presented at the UNSW Brain Sciences Colloquia 2014, Sydney, 7 July.

**Degenhardt, L.\*** *Non-adherence, diversion and opioid use disorders among people living with chronic pain*. Invited panel at the AIM of Pain Conference, Sydney, 14 February.

**Degenhardt, L.\*** *The use, misuse, diversion and harms related to pharmaceutical opioids in Australia: What do we know?* Invited presentation

at the Australian Pain Society Conference, Hobart, 14 April.

**Degenhardt, L.\*, & Slade, T.** *Update on the substance use disorders workgroup*. Paper presented at the World Mental Health Survey Consortium Meeting, Boston, 9-12 July.

**Degenhardt, L.\*** *Data linkage with a focus on people who use illicit drugs: Linking non-health datasets, and examining outcomes for Indigenous people*. Panel presented at UNSW's School of Public Health and Community Medicine Annual Research Symposium, Sydney, 4 September.

**Degenhardt, L.\*** *The use, misuse, diversion and harms related to pharmaceutical opioids in Australia: What do we know?* Invited presentation at the Drug and Alcohol Nurses' Association (DANA) Conference, Sydney, 5 September.

**Degenhardt, L.\*** *The complexities of chronic pain: findings from a cohort of 1,500 Australians taking prescription opioids for non-cancer pain*. Keynote presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Degenhardt, L.\*** *Determining the impact of opioid substitution therapy (OST) on mortality post-release*. Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Degenhardt, L.\*** *The Australian National Opioid Medications Abuse Deterrence (NOMAD) study: Monitoring the impact of a potentially tamper-resistant formulation of controlled-release oxycodone, Reformulated OxyContin®, in Australia*. Presented at the 16th World Congress of Psychiatry, Madrid, 15 September.

**Degenhardt, L.\*** *Does the social context of early alcohol use affect risky drinking in adolescents? Prospective cohort study*. Presented at the 16th World Congress of Psychiatry, Madrid, 18 September.

**Degenhardt, L.\*** *The global burden of disease attributable to illicit drug use: Findings from the 2010 Global Burden of Disease study*. Invited plenary given at the 1st Turkish conference on drugs and public health, Istanbul, 29 September.

**Degenhardt, L.\*** *The complexities and consequences of pharmaceutical*

opioids. Invited Plenary presented at the 34th Australian Professional Society on Alcohol and Drugs Conference, Adelaide, 12 November.

**Dolan, K.\*** *How policies and repressive law-enforcement fuel the HIV epidemic among people who inject drugs.* Presented at the 20th International AIDS Conference, Melbourne, 20-25 July.

**Dolan, K.\*** *Harm reduction in the context of HIV in prisons* Presented at the 20th International AIDS Conference, Melbourne, 20 -25 July.

**Dolan, K.\*** *HIV prevalence in Prison: A Global Systematic Review.* Poster presentation at the 20th International AIDS Conference, Melbourne, 20-25 July.

**Dolan, K.\*** *HIV services in Prison: A Global Systematic Review.* Poster presented at the 20th International AIDS Conference, Melbourne, 20-25 July.

**Dolan, K.\*** *HIV services in Prison: A Global Systematic Review.* Presented at the UNSW Infectious Diseases Symposium, Sydney, September.

**Dolan, K.\*** *HIV prevalence in Prison: A Global Systematic Review.* Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Fathigeshnigani, Z., Taghi Pour, E., Khodabakhshi Koolaei, A., Alam Mehrjerdi, Z.\*, & Daneshmand, R.** *The effectiveness of group cognitive-behavioural therapy in increasing coping strategies and assertive skills of spouses of opiate-dependent men.* Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.

**Farrell, M.\*** *The Future of the Drug and Alcohol Sector in Australia.* Keynote panel at the NADA Conference 2014: Diversity Driving Innovation, Sydney, 13 May.

**Flaherty, I.\*, Silins, E., van Breda, N., Steele, M.\*, & Hiley, S.** *Does an incentive for clients of a safer injecting facility (SIF) to participate in a 1 to 1 session of structured instruction on cold preparation and wheel filtration improve the uptake of the practice, and do clients maintain it up to 2 weeks later?* Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Gates, P.\*** *National Cannabis Prevention and Information Centre.*

Presented at the Justice Health Drug and Alcohol Symposium, Sydney, 16-17 October.

**Gates, P.\*, Copeland, J., & Balderstone, M.** *Opinions and attitudes of cannabis users on cannabis policy and policing.* Poster presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Gates, P.\*, & Albertella, L.** *Treating substance use problems through telephone counselling – A literature review.* Poster presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Gisev, N.\*, Degenhardt, L., Larney, S., Larance, B., Gibson, A., Kimber, J., & Burns, L.** *Opioid substitution therapy utilisation among opioid-dependent men and women: A population-based comparative study.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Gisev, N.\*, Degenhardt, L., Larney, S., Dobbins, T., Larance, B., Gibson, A., Kimber, J., Butler, T., Mattick, R.P., & Burns, L.** *Treatment utilisation and retention with opioid substitution therapy between 2001 and 2010: A comparison of buprenorphine and methadone users.* Presented at the 30th International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Taipei, 24-27 October.

**Degenhardt, L., Larney, S., Kimber, J., Gisev, N.\*, Farrell, M., Dobbins, T., Weatherburn, D.J., Gibson, A., Mattick, R., Butler, T., & Burns, L.** *The impact of opioid substitution therapy on mortality post-release from prison: A retrospective data linkage study.* Presented at the 30th International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Taipei, 24-27 October.

**Gisev, N.\*, Degenhardt, L., Larney, S., Dobbins, T., Larance, B., Gibson, A., Kimber, J., Butler, T., Mattick, R., & Burns, L.** *Treatment utilisation and retention with opioid substitution therapy: Comparison of buprenorphine and methadone users.* Presented at the 2014 Australasian Professional Society on Alcohol and Other Drugs Conference, Adelaide, 9-12 November.

**Hickey, K., Schipp, M., & Howard, J.\*** *'Cannabis Yarns': Recording and sharing the stories of cannabis-related issues in Aboriginal communities.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Hoban, B.\*, Nielsen, S., Gisev, N., Larance, B., Bruno, R., Lintzeris, N., & Degenhardt, L.** *Associations with a sedative load index in people with chronic non-cancer pain prescribed opioids: Quantifying polypharmacy in the Pain and Opioids In Treatment (POINT) study.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Howard, J.\*** *Pharmacy-based interventions for cannabis use-related difficulties.* Presentation at the CDP by the Sea – Pharmacy Guild Conference, Sydney, 22 February.

**Howard, J.\*, Hickey, K., Copeland, J., & Schipp, M.** *'Cannabis Yarns': encouraging discussion of cannabis use related issues with Aboriginal Australians.* Presented at the NIDAC Conference, Melbourne, 4-6 June.

**Howard, J.\*** *Effective interventions and engagement with young people.* Presented at the Creating Synergy, Engaging Community Forum, Wollongong, 25 June.

**Howard, J.\*, Metcalf, A., Davies, C., & Robinson, K.** *Has anything changed since 1998? Suicidality among sexually diverse young people.* Plenary at the LGBTI Mental Health Conference, Sydney, 26-27 June.

**Howard, J.\*, Metcalf, A., Davies, C., & Robinson, K.** *Suicidality among sexually diverse young people – any positive changes since 1998?* Presented at the Suicide Prevention Australia Conference, Perth, 23-25 July.

**Hughes, C.\*, Bright, D., Chalmers, J. & McFadden, M.** *Exposing Australia's poly-drug trafficking networks.* Presented at the 6th Annual International Illicit Network Workshop, Adelaide, 12 December.

**Hughes, C.\*, & Fowlie, C.** *Generating evidence-informed drug law reform: Reflections on new threshold limits for drug trafficking in the ACT.* Presented at the DPMP Symposium, Sydney, 1 December.

**Hughes, C.\*** *Moving from a criminal to a public health approach to illicit drugs: Lessons from Portugal and Australia.* Keynote presentation at the 2nd Human Rights and Justice Conference, Bermuda, 10 July.

**Hughes, C.\*** *Discussant: Drugs and the law.* Presented at the 8th International Society for the Study of Drug Policy Conference, Rome, 21 May.

**Hughes, C.\*, Weatherburn, D & MacCoun, R.** *The deterrent effects of drug law enforcement: A case study of the impact of drug detection dogs on drug use in NSW, Australia.* Presented at the 8th International Society for the Study of Drug Policy Conference, Rome, 21 May.

**Hunt, S.\*, Baker, A., & Michie, P.** *How does change in alcohol misuse and depression comorbidity impact on neuropsychological test performance after 12 months?* Presented at the CPDD Conference 2014 San Juan, 14-19 June.

**Kaye, S.\*** *Attention Deficit Hyperactivity Disorder (ADHD) and Substance Use Disorders.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Newton, N.C., Teesson, M., Conrod, P., Slade, T., Champion, K., Nair, N., Kelly, E.\*, Carragher, N., & Barrett, E.** *Substance use and related harms among adolescent bullies, victims and bully-victims.* Invited workshop at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 December.

**Keatley, D.A., Carragher, N.\*, Chikritzhs, T., Daube, M., & Hagger, M.S.** *Minimum pricing for alcohol: What does the Western Australian public think?* Presented at the Australasian Society for Behavioural Health and Medicine Conference, Auckland, 12 February.

**Keatley, D.A., Carragher, N.\*, Chikritzhs, T., Daube, M., & Hagger, M.S.** (2014, August). *Minimum pricing for alcohol: What does the Western Australian public think?* Poster presented at the International Congress of Behavioural Medicine, Groningen, 20-23 August.

**Keatley, D.A., Carragher, N.\*, Chikritzhs, T., Daube, M., & Hagger, M.S.** *Minimum pricing for alcohol: What does the Western*

*Australian public think?* Poster presented at the European Health Psychology Society Conference, Innsbruck, 26-30 August.

**Kelly, E.\*, Newton, N.C., Stapinski, L., Slade, T., Barrett, E., Conrod, P., & Teesson, M.** *Substance use and related harms among adolescent bullies, victims and bully-victims.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 December.

**Kelly, E.\*, Newton, N.C., Stapinski, L., Slade, T., Barrett, E., Conrod, P., & Teesson, M.** *Longitudinal associations between bullying involvement and substance use.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Kelly, E.\*, Newton, N.C., Stapinski, L., Slade, T., Barrett, E., Conrod, P., & Teesson, M.** *Substance use among adolescent bullies, victims and bully-victims.* Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.

**Kelly, E.\*, Teesson, M., Newton, N.C., Slade, T., & Conrod, P.** *Improving social and academic outcomes for adolescent bullies, victims and bully-victims.* Poster presented at the Australian Psychological Society Educational and Developmental Psychology Conference, Melbourne, 28-29 March.

**Knight, A.\*, Shakeshaft, A., Maple, M., Shakeshaft, B., Doran, C., Edmunds, K., Lupton, C., & Semczuk, M.** *Embedding research in practice: Researchers and practitioners working together to evaluate a community based intervention for young people with multiple and complex needs.* Presented at the 2014 World Indigenous Health Conference, Cairns, 17 December.

**Lancaster, K.\*, Duke, K., & Ritter, A.** *Examining the construction and representation of 'recovery' in UK and Australian drug policy discussions.* Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Lancaster, K.\*, Ritter, A., & Matthew-Simmons, F.** *Young people's opinions about alcohol and other drug policy.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Lancaster, K.\*** *Social construction and the evidence-based drug policy endeavour.* Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.

**Larance, B.\*, Cama, E., Nelson, E., & Degenhardt, L.** *Transitions from heroin use, to dependence and treatment seeking among an opioid-dependent sample.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 11 November.

**Larance, B.\*, Cama, E., Bruno, R., Ali, R., Farrell, M., Lintzeris, N., Peacock, A., Kihlas, I., Hordern, T., White, N., & Degenhardt, L.** *Patterns of opioid consumption in a cohort of people who tamper with pharmaceutical opioids: Baseline findings from the National Opioid Medications Abuse Deterrence (NOMAD) study.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Larance, B., Nielsen, S.\*, Hordern, A., Lintzeris, N., Burns, L., Mattick, R., Campbell, G., Farrell, M., Cohen, M., Bruno, R., Brown, A., Johnson, J., & Degenhardt, L.** *Pharmaceutical opioid use and pain amongst people who inject drugs: Baseline findings from a prospective cohort study.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Larance, B., Peacock, A., Campbell, G., Freckleton, S., Smith, K., Mattick, R., Bruno, R., Nielsen, S.\*, Cohen, M., Lintzeris, N., Shand, F., Hall, W., Farrell, M., & Degenhardt, L.** *Alcohol Use Disorders, Risky Alcohol Consumption and Adverse Events amongst Chronic Non-Cancer Pain patients receiving opioid therapy.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Larkin, X.\*, Prior, K., Ross, J., Lejuez, C., Mills, K., Kaye, S., Dore, G., Ewer, P., Gilsenan, J., & Teesson, M.** *Behavioural Activation Treatment for Co-occurring Depression and Substance Use Disorder: The Activate Study Protocol.* Presented at the Society for Mental Health Research 2014 Conference, Adelaide, 3-5 December.

**Larney, S., & Degenhardt, L.\*** *Determining the impact of opioid substitution therapy (OST) on mortality*

post-release. Poster presented at 76th Meeting of the College on Problems of Drug Dependence, San Juan, 14 June.

**Degenhardt, L., Larney, S.\*, Kimber, J., Gisev, N., Farrell, M., Dobbins, T., Weatherburn, D., Gibson, A., Mattick, R.P., Butler, T., & Burns, L.** *The impact of opioid substitution therapy on mortality following release from prison.* Presented at the Academic and Health Policy Conference on Correctional Health, Houston, 20-21 March.

**Larney, S.\*, Gisev, N., Farrell, M., Dobbins, T., Burns, L., Gibson, A., Kimber, J., & Degenhardt, L.** *Opioid substitution therapy as a strategy to reduce deaths in prison: Retrospective cohort study.* Presented at the College of Problems on Drug Dependence Conference, San Juan, 14-19 June.

**Degenhardt, L., Larney, S.\*, Kimber, J., Gisev, N., Farrell, M., Dobbins, T., Weatherburn, D., Gibson, A., Mattick, R.P., Butler, T., & Burns, L.** *The impact of opioid substitution therapy on mortality post-release from prison.* Presented at the College of Problems on Drug Dependence Conference, San Juan, 14-19 June.

**Larney, S.\*** *HIV and hepatitis C among people who inject drugs in compulsory treatment centres.* Invited plenary presentation at the International Congress on Addiction Science, Tehran, 10-12 September.

**Larney, S.** *Harm production and harm reduction in prisons and post-release.* Early Career Awardee Keynote Address at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Larney, S.\*, Bohnert, A.S.B., Ganoczy, D., Ilgen, M.A., Blow, F.C., & Degenhardt, L.** *Mortality among older adults with opioid use disorders.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Larney, S.\*** *Systematic reviews in the addictions.* Workshop given at the International Congress on Addiction Science, Tehran, 10-12 September.

**Lenton, S., Frank, V. A.\*, Barratt, M. J., Dahl, H. V., & Potter, G.** *Attitudes of cannabis growers to regulation of cannabis cultivation under a non-prohibition cannabis model.* 14th Annual Conference of European

Society of Criminology, Prague, 11 September.

**Leung, S., Deacon, R., Rivas, G., Monds, L., Cubitt, T., Nielsen, S.\*, Larance, B., Ezard, N., & Lintzeris, N.** *Changes in alprazolam use and related harm amongst opioid treatment program clients following its rescheduling to a Schedule 8 medication.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Leung, S., Rivas, G., Monds, L., Holland, R., Brown, A., Deacon, R., Nielsen, S.\*, Dunlop, A., & Lintzeris, N.** *Suboxone film oral removal study – comparing ‘stacking’ versus ‘spacing’ phenomena and the effect on supervision time on medication diversion.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Lintzeris, N., Chan, T., & Nielsen, S.\*** *Balancing outcomes in Opioid Replacement Therapy.* Invited Speaker at the Pharmaceutical Society of Australia Clinical and Practice Expo (CPEXpo) 2014, Sydney, 30 May.

**Livingston, M.\*** *Socio-economic status and alcohol consumption in Australia.* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 12 November.

**Livingston, M.\*** *Socio-economic differences in alcohol-related risk-taking behaviours.* Presented at a Festschrift for Professor Robin Room, Melbourne, 13 September.

**Livingston, M.\*, & Callinan, S.** *Under-reporting in alcohol surveys: whose drinking is under-estimated?* Presented at the Kettil Bruun Society Alcohol Epidemiology Symposium, Torino, 10 June.

**Mansoori, S., Mehrjerdi, Z., Deylamizadeh, A., & Dolan, K.\*** *Transition from using opioids to methamphetamine among females: A report from a residential detoxification center.* Presented at the 75th College on Problems of Drug Dependence (CPDD) Conference, San Diego, 13-18 June.

**Matalon, E.\*** *Very Brief Intervention for Cannabis.* Presented at the CPD by the SEA – NSW Convention, Manly, 2 February.

**Matalon, E.\*** *Very Brief Intervention for Cannabis.* Presented at the Network

of Alcohol and other Drug Agencies Conference, Sydney, 12 May.

**Matalon, E.\*** *Very Brief Intervention for Cannabis.* Presented at the Drug and Alcohol Nurses of Australia Conference, Sydney, 20 June.

**Matalon, E.\*** *Very Brief Intervention for Cannabis.* Presented at the 15th International Mental Health Conference, Surfers Paradise, 27 August.

**Matalon, E.\*** *Very Brief Intervention for Cannabis.* Keynote presentation at NSW Drug and Alcohol Nurses of Australia Conference, Sydney, 5 September.

**Matalon, E.\*** *ACCU – Adolescent Cannabis Check Up.* Presented at the Drug and Alcohol Nurses of Australia Conference, Sydney, 20 June.

**Matalon, E.\*** *ACCU – Adolescent Cannabis Check Up.* Presented at the Riverina School Counsellors Conference, Leeton, 15 August.

**Matalon, E.\*** *Everything You Need to Know about Cannabis.* Keynote presentation at the Riverina School Counsellors Conference, Leeton, 15 August.

**Matalon, E.\*** *Everything You Need to Know about Cannabis.* Keynote presentation at the NSW Drug and Alcohol Nurses of Australia Conference, Sydney, 5 September.

**Matalon, E.\*** *Effective Discussions with Young Cannabis Users.* Presented at The Mental Health Services Conference, Perth, 28 August.

**Matalon, E.\*** *Very Brief Intervention for Cannabis Use (3 Brief Interventions).* Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Matalon, E.\*** *Cannabis in 2014.* Presented at the SANDAS Conference 2014, Glenelg, 23 October.

**Matalon, E.\*** *Effective Discussions with Young Cannabis Users.* Presented at the Rural and Remote Mental Health Symposium 2014, Albury, 14 November.

**McCormack, C.\*, Mattick, R., Hutchinson, D., & Burns, L.** *Effects of prenatal alcohol exposure on intellectual ability in childhood: A meta-analytic review.* Oral presentation and poster at the 28th Annual International Congress of Applied Psychology, Paris, 8-13 July.

- McCormack, C.\***, Hutchinson, D., Mattick, R., Burns, L., Wilson, J., Allsop, S., Najman, J., Elliott, E., Jacobs, S., Olssen, C., & Bartu, A. *Intrauterine alcohol exposure, parental IQ and infant cognitive development: Findings from an Australian longitudinal study*. Presented at the 40th Annual Alcohol Epidemiology Symposium of the Kettil Bruun Society, Torino, 9-13 June.
- McCormack, C.\***, Hutchinson, D., Mattick, R., Burns, L., Wilson, J., Allsop, S., Najman, J., Elliott, E., Jacobs, S., Olssen, C., & Bartu, A. *Intrauterine alcohol exposure, parental IQ and infant cognitive development: Findings from an Australian longitudinal study*. Presented at the 2014 Australian Centre for Perinatal Science Annual Symposium, Sydney, 20 August.
- McCormack, C.\***, Hutchinson, D., Mattick, R., Burns, L., Wilson, J., Allsop, S., Najman, J., Elliott, E., Jacobs, S., Olssen, C., & Bartu, A. *Intrauterine alcohol exposure, parental IQ and infant cognitive development: Findings from an Australian longitudinal study*. Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.
- McCormack, C.\***, Hutchinson, D., Mattick, R., Burns, L., Wilson, J., Allsop, S., Najman, J., Elliott, E., Jacobs, S., Olssen, C., & Bartu, A. *Intrauterine alcohol exposure, parental IQ and infant cognitive development: Findings from an Australian longitudinal study*. Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.
- Michalopoulos, A., & Howard, J.\*** *Making Wise Choices: a new resource for young people with complex needs to address their use of cannabis*. Poster presented at the Association of Children's Welfare Agencies Conference 2014, Sydney, 18-20 August.
- Michalopoulos, A., & Howard, J.\*** *'Making Wise Choices': A new resource for young people with complex needs to address their use of cannabis*. Presented at the 15th International Mental Health Conference, Surfers Paradise, 25-27 August.
- Moodley, R.\***, Lintzeris, N., Campbell, G., Bruno, R., Larance, B., Nielsen, S., & Degenhardt, L. *Sleep quality among people living with chronic non-cancer pain: Findings from the Pain and Opioids IN Treatment (POINT) cohort*. Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.
- Newton, N.C.**, Teesson, M., Conrod, P., Slade, T., Champion, K. E., Nair, N., Kelly, E., Carragher, N., & Barrett, E. *An integrated approach to preventing substance use in adolescents: 24-month outcomes from the CAP (Climate and Preventure) intervention in Australian schools*. Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.
- Newton, N.C.**, Teesson, M., Conrod, P., Slade, T., Champion, K. E., Nair, N., Kelly, E., Carragher, N., & Barrett, E. *Innovative interventions to prevent substance use and mental health concerns: A comprehensive intervention to prevent substance use and associated harms in Australian adolescents*. Presented at the 'NHMRC substance use and mental health' pre-conference workshop, 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9 November.
- Nielsen, S.\***, Bruno, R., Murnion B., Degenhardt, L., Dunlop, A., Muhleisen, P., et al. *Treating addiction to codeine with buprenorphine*. Presented at the International Conference on Opioids, Boston, 9 June.
- Nielsen, S.\***, Murnion, B., Dunlop, A., Degenhardt, L., Demirkol, A., Muhleisen, P., & Lintzeris, N. *Treatment-Seeking Codeine Users: A Different Kettle Of Fish?* Presented at the National Institute on Drug Abuse (NIDA) International Forum, San Juan, 13-16 June.
- Nielsen, S.\***, Bruno, R., Campbell, G., Cohen, M., Farrell, M., Hall, W., et al. *Benzodiazepine use amongst a sample of chronic pain patients prescribed opioids*. Presented at the College on Problems of Drug Dependence 76th Annual Meeting, San Juan, 19 June.
- Nielsen, S.\***, Larance, B., Lintzeris, N., Holliday, S., Vanderhaven, M., Hordern, A., Dunlop, A., Haber, P., Murnion, B., Silsbury, C., Johnson, J., Demirkol, A., Sadler, C., Phung, N., Burns, L., Mattick, R., Campbell, G., Farrell, M., Cohen, M., Bruno, R., Hardy, M., Brown, A., Houseman, J., & Degenhardt, L. *Seeking treatment for pharmaceutical opioid dependence: Baseline findings from an in-treatment cohort*. Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.
- Nielsen, S.\***, Roxburgh, A., Jefferson, A., Lintzeris, N., Bruno, R., & Degenhardt, L. *Changing patterns of opioid use: Heroin and prescription opioid treatment episodes from 2002-3 to 2010-11*. Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.
- Nielsen, S.\***, Bruno, R., Murnion, B., Dunlop, A., Degenhardt, L., Demirkol, A., Muhleisen, P., & Lintzeris, N. *Treating codeine dependence with buprenorphine: How much is enough?* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.
- Noori, R.\***, Naranjiha, H., Rafiey, H., & Dolan, K., & Hassan Farhadi, M. *Emerging Methamphetamine Use in Tehran, Iran: Problems and implications for Treatment Policies*. Presented at the Eighth Annual Conference of the ISSDP, 21-23 Rome, May.
- Noori, R.**, Deylamizadeh, A., & Alam Mehrjerdi, Z.\* *Afghan refugees, drug treatment and harm reduction services in Iran: The first report from the Persian Gulf region*. Presented at the 8th International Addiction Science Congress, Tehran, 10-12 September.
- Prior, K.\***, Mills, K., Ross, J., & Teesson, M. *The prevalence and correlates of Substance Use Disorders comorbid with Mood and Anxiety Disorders: A national perspective*. Presented at the Society for Mental Health Research Conference, Adelaide, December 2014.
- Reda, B.\*** *Pure Rush: Test of a serious game for adolescents to prevent harms associated with illicit drug use*. Presented at the Alliance for the Prevention of Mental Disorders (APMD) Annual Meeting, Adelaide, 2 December.
- Reda, B.\*** *Pure Rush: Development of a serious educational game on illicit drugs*. Poster presented at the Society for Mental Health Research (SMHR) Conference, Adelaide, 3-5 December.
- Ritter, A.\*** *Comparing and contrasting government funding models for drug*

*treatment*. Presented at the 8th Annual ISSDP Conference, Rome, 23 May.

**Ritter, A.\*** *Alcohol and other drug treatment in Australia: the state of play*. Keynote presented at the 2014 Australian Winter School Conference, Brisbane, 24 July.

**Ritter, A.\*** *Planning for treatment system changes: An overview of different models*. Presented at the Effective and Needs-based Addiction Treatment Systems Seminar, Helsinki, 26 August.

**Ritter, A.\*** *The privileged role of researchers in 'evidence-based' policy: Policy processes and implications for other voices in the drug policy landscape*. Keynote address presented at the Nordic Alcohol and Drug Researchers' Assembly, Stockholm, 27 August.

**Ritter, A.\*, Hull, P., Berends, L., Chalmers, J., & Lancaster, K.** *Comparing and contrasting government funding models for alcohol treatment*. Presented at the Kettill Bruun Society Thematic Meeting: Alcohol Policy Research, Melbourne, 9-11 September.

**Ritter, A.\*** Chair and facilitator at the 7th Annual ACT Alcohol, Tobacco and Other Drug Sector Conference, Canberra, 24 September.

**Ritter, A.\*** *Panel: Planning for the future*. NADA Symposium, Sydney, 17 November.

**Ritter, A.\*** *Alcohol and other drug treatment funding, demand and planning in Australia*. Paper presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Ritter, A.\*** *The challenges of policy research that aims to make a difference*. Keynote address: James Rankin Oration presented at Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Ritter, A.\*** *The review of AOD treatment services in Australia*. Presented at the DPMP Symposium, Sydney, 1 December.

**Ross, J.\*, Teesson, M., Marel, C., Mills, K., Darke, S., Slade, T., White, J., Memedovic, S., Lynskey, M., & Burns, L.** *11-year findings from the Australian Treatment Outcome Study (ATOS): Outcomes and trajectories*. Presented at the

Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Rourke, P., Howard, J.\*, & Matire, K.** *Legal mandates and perceived coercion in residential alcohol and other drug treatment*. Presented at the ATCA Conference, Sydney, 13-17 October.

**Roxburgh, A.\*, Burns, L., Hall, W., & Degenhardt, L.** *The changing nature of opioid overdose deaths in Australia*. Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, Australia, 9-12 November.

**Roxburgh, A.\*, Van Buskirk, J., Wu, S., Bruno, R., & Burns, L.** *Monitoring the darkweb – Beyond the Silk Road*. Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, Australia, 9-12 November.

**Silins, E.\*, Horwood, J., Patton, G., Fergusson, D., Olsson, C., Hutchinson, D., Spry, E., Toumbourou, J., Degenhardt, L., Swift, W., Coffey, C., Tait, R., Letcher, P., Copeland, J., Mattick, R.P., & the Cannabis Cohorts Research Consortium (CCRC).** *Young adult sequelae of adolescent cannabis use: An integrative analysis across three Australasian Cohorts*. Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Smith, J.L.\*** *Behavioural and brain indices of impaired control in young heavy drinkers*. Invited speaker at the Brain Sciences UNSW Colloquium, Sydney, 7 July.

**Smith, J.L.\*, Mattick, R.P., & Sufani, C.** *Performance monitoring in young heavy drinkers*. Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Smith, J.L.\*, Mattick, R.P., & Sufani, C.** *Performance monitoring in young heavy drinkers*. Poster presented at the Brain Sciences UNSW Symposium, Sydney, 17 October.

**Smith, J.L.\*, Iredale, J.M., & Mattick, R.P.** *Heavy alcohol use is not associated with disinhibition in young males*. Presented at the 24th Australasian Society for Psychophysiology Conference, Coffs Harbour, 26-28 November.

**Smith, J.L.\*, & Sufani, C.** *Repetition expectancy vs. conflict adaptation: Which better explains the congruency sequence effect?* Poster presented at the 24th Australasian Society for Psychophysiology Conference, Coffs Harbour, 26-28 November.

**Smith, K.\*, Mattick, R.P., Campbell, G., Larance, B., & Degenhardt, L.** *Correlates of depressive disorders with an onset post-opioid initiation among chronic non-cancer pain patients*. Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Stapinski, L.\*, & Marel C.\*** *What Makes Research 'Valid'? Key Questions to Ask*. Invited workshop at the Community Mental Health Drug and Alcohol Research Network Rural Research Forum, Ballina, 3 July.

**Stapinski, L.\*, Newton, N., Reda, B., Chapman, C., Rodriguez, D., Kay-Lambkin, F., & Teesson, M.** *Online drug education resources for young people, parents and educators*. Invited presentation at the Annual Conference of the Centre of Research Excellence in Mental Health and Substance Use, Perth, 26 August.

**Stapinski, L.\*, Crome, E., Baillie, A., & Mills, K.** *Managing and treating substance use and mental health concerns in clinical settings*. Presented at the Annual Conference of the Centre of Research Excellence in Mental Health and Substance Use, Perth, 26 August.

**Stapinski, L.\*, Baillie, A., Sannibale, C., Teesson, M., Rapee, R. M., & Haber, P.** *Integrated Motivational Interviewing and CBT for social anxiety & alcohol use*. Presented at The Mental Health Services Conference, Perth, 26-29 August.

**Stapinski, L.\*, Newton, N., Reda, B., Chapman, C., Kay-Lambkin, F., & Teesson, M.** *Online Resources for the Prevention of Alcohol & Substance Use in Adolescents*. Presented at the Inaugural Conference of the Alliance for the Prevention of Mental Disorders, Adelaide, 2 December.

**Stapinski\*, L. Newton, N., Reda, B., Chapman, C., & Teesson, M. (2014).** *Development and dissemination of drug and alcohol prevention resources for schools*. Invited presentation (Australian Rotary Health Knowledge Dissemination Award) at the Society for

Mental Health Research Conference, Adelaide, 3-5 December.

**Stapinski, L.\***, **Teesson, M.**, **Edwards, A.**, **Araya, R.**, **Hickman, M.**, & **Heron, J.** *Drinking to cope: A latent class analysis of alcohol use motives in a large cohort of adolescents.* Symposium presentation at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Stapinski, L.\***, **Baillie, A.**, **Sannibale, C.**, **Teesson, M.**, **Rapee, R. M.**, & **Haber, P.** *Randomised controlled trial of integrated CBT and motivational interviewing for comorbid social anxiety and alcohol use disorders.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Stockings, E.**, **Bowman, J.\***, **Baker, A.**, **Wiggers, J.**, **Clancy, R.**, **Terry, M.**, **Knight, J.**, & **Wye, P.** *Impact of a post-discharge smoking cessation intervention for smokers admitted to a smoke-free psychiatric hospital: A randomised controlled trial.* Presented at the World Cancer Congress (WCC), Melbourne, 3-6 December.

**Stockings, E.**, **Bowman, J.\***, **Bartlem, K.**, **McElwaine, M.**, **Baker, A.**, **Wiggers, J.**, **Clancy, R.**, **Terry, M.**, **Knight, J.**, & **Wye, P.** *Quality of implementation of a smoke-free policy in an inpatient psychiatric facility: Association with patient acceptability.* Poster presented at the World Cancer Congress (WCC), Melbourne, 3-6 December.

**Stockings, E.\***, **Degenhardt, L.**, **Mihalopoulos, C.**, **Lee, Y.**, **Barendregt, J.**, & **Chatterton, M.** *Prevention depression in children and adolescents: What works?* Presented at the Society for Mental Health Research Conference (SMHR), Adelaide, 3-5 December.

**Stockings, E.\***, **Degenhardt, L.**, **Patton, G.**, **Lee, Y.**, **Liu, A.**, **Mihalopoulos, C.**, & **Chatterton, M.** *Symptom screening scales for detecting major depressive disorder in children and adolescents: A systematic review and meta-analysis of reliability, validity and diagnostic utility.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Stockings, E.\***, **Degenhardt, L.**, **Lee, Y.Y.**, **Barendregt, J.**, **Hobbs, M.**, **Mihalopoulos, C.**, & **Andrews, G.** *Prevention of depression in children*

*and adolescents: Systematic review and meta-analysis.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Sunderland, M.\***, & **Slade, T.** *The centrality of latent variables when examining the correlates of mental and substance use disorders.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Sunderland, M.\***, **Batterham, P. J.**, **Calear, A.**, & **Kay-Lambkin, F.** *Implementing e-mental health services: a translational framework.* Presented at the 3rd Annual NHMRC Symposium on Research Translation, Melbourne, 12-13 November.

**Teesson, M.\***, **Marel, C.**, **Mills, K.**, **Darke, S.**, **Ross, J.**, **Slade, T.**, **White, J.**, **Memedovic, S.**, & **Burns, L.** *Longitudinal trajectories of heroin use.* Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Teesson, M.\***, **Marel, C.**, **Mills, K.**, **Darke, S.**, **Ross, J.**, **Slade, T.**, **White, J.**, **Memedovic, S.**, & **Burns, L.** *Longitudinal trajectories of heroin use.* Presented at the ATCA Conference, Sydney, 14 October.

**Teesson, M.\***, **Marel, C.**, **Mills, K.**, **Darke, S.**, **Ross, J.**, **Slade, T.**, **White, J.**, **Memedovic, S.**, & **Burns, L.** *Longitudinal trajectories of heroin use.* Invited presentation at the Justice Health Drug and Alcohol Symposium, Sydney, 16-17 October.

**Teesson, M.\***, **Marel, C.**, **Mills, K.**, **Darke, S.**, **Ross, J.**, **Slade, T.**, **White, J.**, **Memedovic, S.**, & **Burns, L.**

*Symposia: The natural history of heroin dependence: 11-year findings from the Australian Treatment Outcome Study (ATOS).* Presented at the 2014 APSAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Tenzin, T.**, & **Howard, J.\*** *Bhutan and beyond: Can ATCA accommodate an expanding regional presence?* Presented at the ATCA Conference, Sydney, 13-17 October.

**Tonks, Z.\***, **Newton, N.**, **Slade, T.**, **Teesson, M.**, **Chapman, C.**, **Koning, I.**, & **Birrell, L.** *The StraightUp study: A cluster randomised controlled trial of a combined parent and student internet-based substance use prevention program for adolescent.* Presented at the UNSW Inaugural

Postgraduate Research Symposium, Sydney, 29 August.

**Tonks, Z.\***, **Newton, N.**, **Slade, T.**, **Teesson, M.**, **Chapman, C.**, **Koning, I.**, & **Birrell, L.** *The StraightUp study: A cluster randomised controlled trial of a combined parent and student Internet-based substance use prevention program for adolescents.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Tonks, Z.\***, **Slade, T.**, **Newton, N.**, **Teesson, M.**, **Chapman, C.**, **Birrell, L.**, **Mattick R.**, **Kypri, K.**, **Bruno, R.**, **Najman, J.**, **McBride, N.**, **Hutchinson, D.**, **Wadolowski, M.**, & **Aiken, A.** *The role of alcohol-specific rules on adolescent drinking trajectories in an Australian sample.* Presented at the Society for Mental Health Research 2014 Conference, Adelaide, 3-5 December.

**Tonks, Z.\***, **Slade, T.**, **Newton, N.**, **Teesson, M.**, **Chapman, C.**, **Birrell, L.**, **Mattick R.**, **Kypri, K.**, **Bruno, R.**, **Najman, J.**, **McBride, N.**, **Hutchinson, D.**, **Wadolowski, M.**, & **Aiken, A.** *The role of alcohol-specific rules on adolescent drinking trajectories in an Australian sample.* Presented at the Alliance for the Prevention of Mental Disorders Conference 2014, Adelaide, 2 December.

**Van Buskirk, J.\*** *The deep web – Virtual drug marketplaces.* Invited presentation at the Third International Conference on New Drugs 2104, Rome, 15 May.

**Vuong, T.\*** *The politics of conducting research around compulsory drug treatment in Vietnam.* Presented at the DPMP Symposium, Sydney, 1 December.

**Wadolowski, M.\*** *Why do parents supply alcohol? Parenting practices, peers and behaviour.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Wadolowski, M.\*** *Are sipping and drinking different? Parents, peers and behaviour.* Presented at the Society for Mental Health Research Conference, Adelaide, 3-5 December.

**Webb, L.\***, **Rooke, S.**, **Albertella, L.**, & **Copeland, J.** *Feasibility and potential efficacy of an evidenced-based mHealth App for managing cannabis use.* Presented at the 2014

APSAAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Webb, L.\*, Clement, N., Matalon, E., Golding, M., & Copeland, J.** *A very brief intervention for cannabis users in an emergency department setting.* Poster presented at the 2014 APSAAD Scientific Alcohol and Drug Conference, Adelaide, 9-12 November.

**Webb, L.\*, Clement, N., Matalon, E., Golding, M., Tan., J, & Copeland, J.** *A very brief intervention for cannabis users in an emergency department setting.* Poster presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Whiteford, H.A.\*, Mihalopoulos, C.\*, Stockings, E.\*, Lee, Y.\*, Harris, M.\*, Diminic, S.\*, & Meurk, C\*.** *The Centre for Research Excellence in Mental Health Systems Improvement (CREMSI): Priority setting for mental health.* Organised session at the International Society on Priorities in Healthcare: Priorities Conference, Melbourne, 10-12 November.

**Whittaker, E.\*, & Burns, L.** *Unpacking the association between homelessness and substance use.* Presented at the 2014 Australian Housing and Urban Research Institute Postgraduate Symposium, Brisbane, 14-15 July.

**Whittaker, E.\*** *The association between substance use and housing amongst people who inject drugs.* Presented at the UNSW Inaugural Postgraduate Research Symposium, Sydney, 29 August.

**Whittaker, E.\*, Schollar-Root, O., & Burns, L.** *Homes for Sydney's homeless: Findings of two 'Housing First' initiatives.* Presented at the 8th National Homelessness Conference, Gold Coast, 10-12 September.

**Whittaker, E.\*, Swift, W., Roxburgh, A., Dietze, P., Cogger, S., Bruno, R., Sindicich, N., & Burns, L.** *Multiply disadvantaged: Issues faces by homeless injecting drug consumers in Australia.* Poster presented at the 8th National Homelessness Conference, Gold Coast, 10-12 September.

**Whittaker, E.\*, & Burns, L.** *Homes for Sydney's homeless: Findings of two 'Housing First' initiatives.* Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Whittaker, E., & Burns, L.\*** *The association between substance use and housing amongst people who inject drugs.* Presented at the Professional Society on Alcohol and other Drugs Conference, Adelaide, 9-12 November.

**Woodcock, K.\*, Stanwell, P., Teesson, M., Baker, A., Mills, K., Gardner, A., & Kay-Lambkin, F.** *A systematic review of mild traumatic brain injuries and posttraumatic stress symptoms.* Presented at the 18th Biannual Australasian Conference of Traumatic Stress, Melbourne, 11-13 September.

**Woodcock, K.\*, Stanwell, P., Teesson, M., Baker, A., Mills, K., Gardner, A., & Kay-Lambkin, F.** *Mild traumatic brain injuries and posttraumatic stress symptoms: A systematic review.* Presented at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

# Invited Lectures and Workshops

**Birrell, L.\*** *Comorbidity of substance use and mental health in young Australians.* Invited talk at the Rotary Club of Parramatta, April.

**Carragher, N.\*** *Postdoctoral Research Positions and Fellowships.* Presented at the 2014 Post PhD Career Series of Seminars, UNSW, 1 May.

**Carragher, N.\*** *The structure of mental disorders & role of alcohol policy in reducing consumption.* Presented at the Psychology Colloquium, University of Wollongong, 28 May.

**Carragher, N.\*** Invited Chair at the 2014 UNSW Annual Research Symposium: Public Health Aspects of Infectious Disease Control, 4 September.

**Carragher, N.\*** *Information Session: Promotion to Lecturer.* Presented at UNSW, Sydney, 17 October.

**Carragher, N.\*** Convenor of the Early Career Researcher Workshop at the Society for Mental Health Research Annual Conference, Adelaide, 3-5 December.

**Clare, P.\*, Bradford, D., Courtney, R.J., Martire, K., & Mattick R.P.** *The relationship between socioeconomic status and 'hardcore' smoking over time – greater accumulation of hardened smokers in low-SES than high-SES smokers.* Invited Webinar to the Clean Air Coalition British Columbia, 13 May.

**Dolan, K.\*** *Harm reduction in the context of HIV in prisons.* Presented at the High Level Segment of the 2014 Commission on Narcotic Drugs, Vienna, 13-14 March.

**Dolan, K.\*** *HIV, hepatitis B, hepatitis C and syphilis among inmates in Cebu City Jails, Philippines: Seroprevalence and risk behaviours.* Presented to the Philippine Department of Health, Manila, November.

**Farrell, M.** *Contemporary trends in drug use and policy.* Invited presentation to the NSW Police Leadership Centre, University of Western Sydney, Sydney, 26 May.

**Farrell, M.** *The impact of legal drugs on Australian society.* Invited presentation to Warrane College, Sydney, 16 April.

**Farrell, M.** *Pharmaceutical Opioids – Minimising the Harms.* Invited presentation to the Pharmaceutical Opioids – A Harm Reduction Approach, Professional Development Event, Melbourne, 12 February.

**Gisev, N.\*, Degenhardt, L.\*, & Shanahan, M.\*** *The cost effectiveness of opioid substitution therapy and impact on criminal offending and mortality.* Workshop presentation at the 2014 NDARC Annual Research Symposium, Sydney, 8 September.

**Hughes, C.\*** *Justice on the Streets: Local Drug Law Enforcement.* Invited lecture at the Drugs and Justice Course, University of Melbourne, Melbourne, 15 September.

**Hughes, C.\*** *The Yearning for Prevention: Just Say Yes to Education.* Invited lecture at the Drugs and Justice Course, University of Melbourne, Melbourne, 22 September.

**Hughes, C.\*** *Global Consensus? Comparative Approaches.* Invited lecture at the Drugs and Justice Course, University of Melbourne, Melbourne, 13 October.

**Lancaster, K.\*** *A cross-national comparison of the 'recovery' concept in British and Australian drug policy.* Invited presentation at the Centre for Social Research in Health Seminar Series, Sydney, 10 December.

**Marel C.\*, & Stapinski, L.\*** *The good, the bad and the ugly: How to critique research.* Invited webinar for the Community Mental Health Drug and Alcohol Research Network, 20 March.

**Ritter, A.\*** *Bridging the research – policy divide.* Presented at the Lecture for the Masters of Addictive Behaviours: Addiction Policies, Prevention and Public Health Course, Monash University and Turning Point, Melbourne, 13 August.

**Ritter, A.\*** *Reflections on the evolution of treatment service systems.* Presented at Turning Point Alcohol and Drug Centre 20th Anniversary Oration, Melbourne, 20 November.

**Swift, W.\*** *Cannabis potency.* Invited lecture presented to the NSW Mental Health Review Tribunal, Sydney, 26 August.

**Swift, W.\*** *Cannabis potency.* Webinar presented as part of the NCPIC workshop series, Sydney, 16 May.

**Teesson, M.\*** *Review of the Evidence; Principles for Change.* Invited presentation at Double Trouble: Mental health and drug and alcohol problems, NSW Department of Health, Sydney, 19 November.

**Teesson, M.\*** *Mentoring.* Invited lecture at the ECR Career Development Day, Sydney, 26 September.

**Van Buskirk, J.\*** *Monitoring the Internet for NPS.* Presented at the AIDS Council of NSW Snakes and Ladders presentation series, Sydney, 29 January.

# Acronyms

ACT HEALTH	ACT Government Health
AHURI	Australian Housing and Urban Research Institute Limited
AIC/CRG	Australian Institute of Criminology
AIDSFONDS NL	Aidsfonds Netherlands
AIATSIS	Australian Institute of Aboriginal and Torres Strait Islander Studies
ANCD	Australian National Council on Drugs
ANU/NHMRC	Australian National University/National Health and Medical Research Council
APSAD	Australasian Professional Society on Alcohol and Other Drugs
ARC	Australian Research Council
ARH	Australian Rotary Health Research Fund
ARH/MIRG	Australian Rotary Health/Mental Illness Research Grants
BS	Brain Sciences
BURNET/NHMRC	Burnet Institute/National Health and Medical Research Council
CAYLUS	Central Australian Youth Link-Up Service
CCS	Council of the City of Sydney
CF	Colonial Foundation Trust
CLIMATE	Clinical Management & Treatment Education
CURTIN/ANPHA	Curtin University/Australian National Health Preventative Agency
DASSA	Drug & Alcohol Services South Australia
DET	Department of Education and Training
DFCS	Division Of Family And Childrens Services
DIISRTE	Department of Industry, Innovation, Science, Research and Tertiary Education*
DOCS	Department of Community Services, NSW
DoH	Department of Health
DoH (TASMANIA)	Department of Health, Tasmania
DOJ AND AG, NSW	Department of Justice and Attorney General, NSW
DPMP	Drug Policy Modelling Program
DROSOS	DROSOS Foundation, Switzerland
EDRS	Ecstasy and Related Drugs Reporting System
FARE	Foundation for Alcohol Research and Education **
FWM	Far West NSW Medicare Local Ltd
GU	Griffith University
HAC	Health Administration Corporation
HERON	Health Evaluation Research Outcomes Network
HNELHD/DACS	Hunter New England Local Health District/DACS
HOUSING NSW	Family And Community Services – Housing NSW
HRTO	Health Reform Transitional Organisation
IDRS	Illicit Drugs Reporting System
MA	Mission Australia
MDECC	Manly Drug Education & Counselling Centre
MUNDI	Mundipharma
NBCSR	Nsw Bureau of Crime Statistics and Research
NCETA	National Centre for Education and Training on Addiction
NCPIC	National Cannabis Prevention and Information Centre
NDARC	National Drug & Alcohol Research Centre
NDLERF	National Drug Law Enforcement Research Fund
NDRI	National Drug Research Institute
NHMRC	National Health and Medical Research Council
NHMRC CDA	National Health and Medical Research Council Career Development Award
NIH	National Institute of Health (USA)
MoH	Nsw Ministry of Health
PTSD	Post Traumatic Stress Disorder
QADREC	Queensland Alcohol and Drug Research and Education Centre

RB	Reckitt Benckiser
RTA	Roads & Traffic Authority, NSW
SALV	Salvation Army
SCHER	Schering Pty Ltd
SESIAHS	South Eastern Sydney and Illawarra Area Health Service
SI	Sax Institute
TP	Turning Point Alcohol & Drug Centre
UNEW	University of Newcastle
UNAIDS	United Nations Programme on HIV/AIDS
UNIV OF WA	The University of Western Australia
UNODC	United Nations Office on Drugs and Crime
UNOV	United Nations Office In Vienna
UNSW	The University of New South Wales
UQ	The University of Queensland
VADA	Victorian Alcohol and Drug Association
WHO	World Health Organisation

\*Formerly Department of Education, Science and Training (DEST)

\*\*Formerly Alcohol Education and Rehabilitation Foundation (AERF)

The Difference is Research

**NDARC**  
National Drug &  
Alcohol Research Centre

**National Drug and Alcohol  
Research Centre Annual Report 2014**

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**Back Cover:** *Mark Deady is a Senior Research Officer at NDARC and the Centre for Research Excellence in Mental Health and Substance Use. Mark is one of 30 postgraduate students at NDARC in 2014 and recently submitted his doctoral thesis to develop an Internet-based intervention for depression and alcohol misuse in young people.*

# NDARC

National Drug &  
Alcohol Research Centre

POPULATION FIGURES*							
Postcode	2001	2002	2003	2004	2005	2006	2007
2000	16,302	17,112	18,341	19,261	20,180	21,099	22,018
2009	7,618	8,357	9,096	9,834	10,573	11,312	12,051
2010	22,864	23,217	23,571	23,924	24,278	24,631	24,985
2011	16,180	16,491	16,802	17,114	17,425	17,736	18,047
2028	29,863	29,714	29,565	29,417	29,269	29,120	28,971
2011	18,837	18,776	18,715	18,654	18,593	18,532	18,471
2037	13,040	13,120	13,201	13,282	13,363	13,444	13,525
2042	14,770	15,081	15,392	15,703	16,014	16,325	16,636
2025	14,109	14,077	14,045	14,012	13,980	13,948	13,916

\*The estimates derive from the 2001 ABS community profile data, using the 2001 ABS dwelling type classification. The estimates equate to the place of usual residence.

The Difference is Research



Ratio alcohol/c  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
0

Jan Jun 2007  
Jul Dec