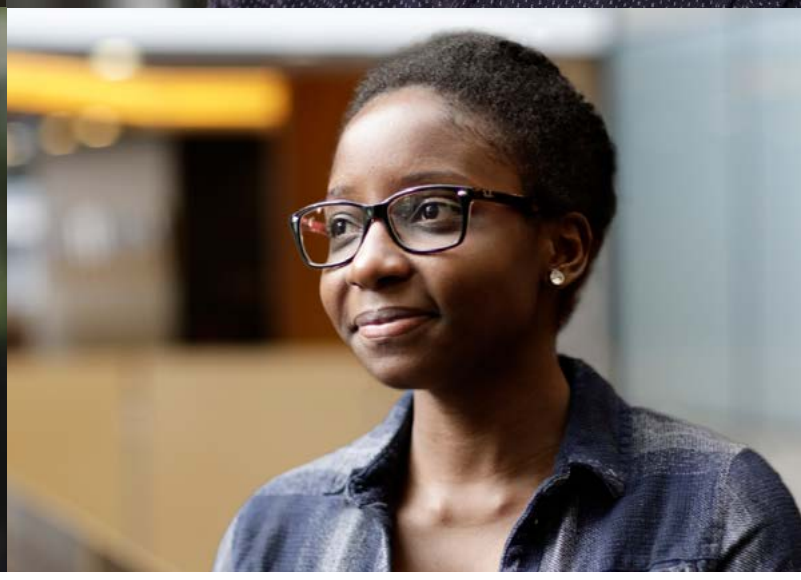
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Medicine/National Drug and Alcohol Research Centre

Annual Report 2016



NDARC
National Drug & Alcohol Research Centre

The Difference is Research

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The Difference is Excellence

Professor Louisa Degenhardt, pictured above, added the title UNSW Scientia Professor to her impressive list of achievements in 2016. She was one of 16 Scientia Professors appointed across the university, described as embodying: "UNSW's highest values, including leadership, innovation, creativity, teamwork and, above all, excellence". Projects led by Professor Degenhardt in 2016 included a five year prospective cohort study of pharmaceutical opioids (POINT) and the drug and alcohol component of the international collaboration Global Burden of Disease.

Key research areas pages 5-13

Cover: *Clockwise from top left: Associate Professor Katherine Mills; Research Assistant Brad Shaw; Research Assistant Dami Sotade; Associate Professor Timothy Dobbins*

In 2016 NDARC has achieved an impressive research output of 327 publications and 166 conference presentations. There have been 7,020 mentions of NDARC across radio, print, TV and online media.



The Difference is Research

NDARC is currently conducting more than 100 projects covering prevention and intervention, clinical research, comorbidity, epidemiology of substance use and harms, criminal justice and law, indigenous research and heath economics. Dr Dennis Thomas is a postdoctoral researcher on NDARC's growing program of tobacco intervention research. Dennis coordinates NDARC's largest ever clinical randomised controlled trial comparing the cost effectiveness of different pharmacological smoking treatments. The tobacco program is also evaluating the impact of e-cigarettes.

Projects pages 32-50



The Difference is the Next Generation

A major role of NDARC is to nurture, grow and produce the next generation of PhD students. It has an impressive PhD program with 34 students enrolled in 2016. Dr Kari Lancaster is one of six doctoral candidates whose degrees were conferred in 2016. Kari's doctoral thesis looked at the role of evidence in the construction of drug policy. Kari is a team member of NDARC's Drug Policy Modelling Program (DPMP) which is having a substantial impact on translational research.

Postgraduate students pages 60-63

Chairman's and Director's Report



Mr Bob Mansfield AO

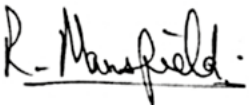
Chairman, NDARC Board of Management

It is with pleasure that I present the 2016 Annual Report of NDARC. I am proud to chair a research centre that is ranked in the top ten of research centres on substance use globally according to the Centre for World University Rankings.

Next year NDARC celebrates 30 years of research in the alcohol and other drugs field. The continued importance of this work and having such a centre in Australia cannot be underestimated. Modelling from the Global Burden of Disease and led by NDARC's Professor Louisa Degenhardt published in The Lancet this year found that Australia is one of only two high-income countries (and USA) where drug use disorders were a top 10 cause of disability. Further, the research found that deaths and disability related to illicit drug use have increased by nearly a third over the past 10 years globally.

The pages of this report detail the enormous contribution which NDARC researchers in partnership with collaborators from all over Australia and the world are making to prevent this problem, to treat this problem and to ensure that clinical and policy responses are informed by the best possible research evidence.

I recommend the report to you and thank the staff of NDARC under the able leadership of Professor Michael Farrell for their hard work throughout the year. As the year comes to an end NDARC is reapplying to the Government for its funding through a tender process. I can with confidence say, evidenced by this year alone, that there are very few if any research centres in this field that have the range of expertise and research projects that are needed to make an impact on this pressing problem.





Professor Michael Farrell

Chairman, NDARC Board of Management

Producing the Annual Report is a great opportunity to reflect on what our staff has achieved this year. Putting it all together in one document, it never ceases to amaze me the sheer breadth and depth of work achieved by the Centre and the range of expertise of our staff. In our research we cover all potential drugs of abuse as well as tobacco and alcohol. We research and evaluate these issues from every perspective – prevention, treatment and epidemiology, detailing the patterns and extent of harms resulting from drug and alcohol supply and use. Our mission is clear: to conduct and disseminate high quality research and related activities that increases the effectiveness of responses to alcohol and other drug related harm.

Our staff is to be congratulated not only on their output but on their focus on translating this work through dissemination and communication to key stakeholders and to the wider Australian public. Together they have produced 327 publications including journal articles, books, chapters and technical reports as well as 166 conference presentations and hundreds of workshops and seminars. There have been 7,020 mentions of NDARC across radio print, TV and online media. Our website attracted close to a quarter of a million (223,981) sessions over the year. We have an active social media presence with close to half a million views (430,000) of our tweets and posts over the period.

As the year came to a close we were awarded another $16 million in grant and fellowship income. This is on top of our existing $68 million in funding and research grants and awards.

The new grant income includes $8 million for a Centre of Excellence for the Clinical Management of Emerging Drugs of Concern. The Centre will be run in partnership with St Vincent's Health Australia, Curtin University's National Drug Research Institute and the National Centre for Education and Training on Addiction, based at Flinders University.

2016 also brought with it some lows – most notably the sad news of the closure of the National Cannabis and Prevention Information Centre (NCPIC) which closed after eight years having lost its Government funding, forcing us to say goodbye to much loved colleagues and a very respected Centre.

We received a funding extension for core NDARC and Drug Trends Funding from the Australian Government until the end of June 2017. The Government also announced its official tender process for more long term funding for drug and alcohol research centres across Australia. With my senior colleagues I began preparing our tender application which is due in February 2017.



Key Research Areas

Drug Trends Program

Dr Courtney Breen and Associate Professor Lucinda Burns

Chief Investigator



Data from regular psychostimulant users suggest that although pills remain the most popular form of ecstasy, there is an increasing trend in the use of the crystal form of ecstasy.

NDARC's Drug Trends program reports on trends in the use of illicit drugs in Australia. Information is from four main sources: interviews with people who use drugs; key stakeholders who are knowledgeable about current drug use patterns, such as law enforcement and health professionals; indicator data such as statistics on drug related deaths and injuries; and information from online markets. Drug Trends is a national 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.

The 2016 Illicit Drug Reporting System (IDRS) and Ecstasy and Related Drugs Reporting System (EDRS) survey findings were presented at the NDARC symposium and highlighted trends in illicit drug markets. Among people who inject drugs regularly, crystal methamphetamine continued to be main focus, with increases in those reporting it as their drug of choice and the drug injected most in the past month. Data from regular psychostimulant users suggest that although pills remain the most popular form of ecstasy, there is an increasing trend in the use of the crystal form of ecstasy.

Australia's national monitoring system is internationally recognised, as evidenced by an invitation to present the 2016 Drug Trend findings and methodology to the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) Expert Meetings in Lisbon, Portugal.

In addition to monitoring trends in illicit markets, the Drug Trends program provides information on issues associated with illicit drug use. Doctoral student Kerryn Butler presented research investigating Hepatitis C and access to treatment among people who inject drugs at the International Symposium on Hepatitis Care in Substance Users in Oslo.

The National Illicit Drug Indicators Project (NIDIP) continued to provide figures from a range of sources, including hospital and treatment presentations, deaths, and patterns of use among sentinel groups of people who use drugs, in order to inform prevalence estimates for the number of people in Australia who are methamphetamine-dependent.

Several publications also arose from monitoring online drug markets operating on the darknet. Specifically, work conducted by the Drugs and New Technologies team showed the impact of several major disruptions (including law enforcement operations and markets shutting down and withdrawing people's money) on marketplace operations. This program of work has four years of trend data that provides information about developments in the online arena over time.

Ongoing development of the Drug Trends website continued in 2016 to ensure the work is relevant and translates to a range of audiences. The website provides users with access to current trends and issues in an easily interpretable fashion.

Committed to working on projects that are directly relevant to people most at risk, A/Professor Burns and doctoral student Elizabeth Whittaker have continued evaluation work of housing for residents with substance use and mental health issues.

Dr Breen, with A/Professor Lucinda Burns, also continued work on substance use in pregnancy, evaluating resources for health professionals to support women who are both pregnant and drug dependent. They also continued research using linked data, collaborating with clinicians and researchers to assess the impact of substance use in pregnancy and early life using linked administrative data from a range of areas.

National Cannabis Prevention and Information Centre

Professor Jan Copeland

Director



NCPIC has been praised for dedication to excellence in research, training, communication and education. In late 2016, in alignment with a change to Government strategy, its funding was discontinued.

Established in 2007 in response to community concern regarding cannabis, The National Cannabis Prevention and Information Centre (NCPIC), has provided evidence-based resources, information and training to support workers in related sectors. In late 2016, in alignment with a change to Government strategy, the Centre's funding was discontinued and service to the community ceased. Despite the pending closure, NCPIC continued to deliver to a high standard until the end of 2016.

In the 12 months from 2015 to 2016, the Centre's website received more than 725,000 unique visitors, with most users seeking help and support; information on cannabis and the law and medical cannabis in the face of ongoing policy changes; the mental health impacts of cannabis use; and synthetic cannabis. Synthetic cannabis again became a much-covered media issue, and the Centre rapidly evolved to offer a specialised online information centre, the most extensive in Australia's drug awareness field.

NCPIC delivered a mini-documentary on synthetic cannabis featuring experts and users; a comprehensive medical cannabis online centre; an 'outside-the-square' approach to drug driving education; and a school-based workshop designed to encourage teens to think about how their personal values affect their decision-making. The Centre also focused on resources for Aboriginal and Torres Strait Islander people, developing a story-based resource for teenagers, and an empowerment pack for mothers attempting to quit cannabis.

The organisation delivered innovative, integrated campaigns, led by social media communications. The Centre developed a strong presence on Facebook, with more than 6,700 followers, and has achieved more than 400,000 views on YouTube for videos and advertisements.

NCPIC remained a strong training resource for professionals in the alcohol and other drug support sector in 2016, as well as the health, justice, education and community sectors. The Centre's train-the-trainer workshops delivered a number of new trainers to the Australian community.

In 2016, in response to an identified need, the training team collaborated with groups around Australia to develop a low-literacy, brief-intervention booklet for healthcare professionals to use with cannabis-dependent people wishing to quit.

The Centre's training team has provided training for more than 10,000 people since its inception. The training has enabled alcohol and other drug workers in particular, to deliver specific cannabis interventions.

NCPIC's clinical and research team also contributed significantly to the Centre's success, both in 2016 and in the nine years since the Centre was established.

In 2016, the clinical and research team developed and delivered one of the most comprehensive medical cannabis surveys to date in Australia. With more than 3,000 participants recruited online, the survey analysed the medical cannabis knowledge of the Australian public, as well as their use and perception of the drug. The purpose of the study was to assist in guiding legislation and to identify considerations for medical practitioners who may prescribe medical cannabis in the future. This has been presented at national and international conferences. A range of important research projects have been discontinued due to closure, including a study of the feasibility of cannabidiol (CBD) for mood and cannabis use disorders amongst young people and a study of a very brief intervention for cannabis and amphetamine users in hospital emergency rooms.

Over its nine years, NCPIC has led ground-breaking research. It has sent more than a million hard copy resources to individuals and centres throughout Australia, provided support and treatment to almost 15,000 people via the Helpline, and close to two and half million people through the website, in addition to the tens of thousands of people who benefited from interventions delivered by professionals trained by NCPIC.

Mortality and Morbidity: opioids and other illicits

Professor Shane Darke

Chief Investigator



A major paper on the years of potential life lost through fatalities in a cohort of heroin users showed that each death was associated with an average of 44 years of life lost.

In 2016 Professor Shane Darke continued his program of research work on the morbidity and mortality associated with illicit drug use. Major papers were published in *Addiction Drug and Alcohol Dependence* and *Addictive Behaviors*. This body of work has been conducted in collaboration with Professor Johan Duflou of the University of Sydney and Dr Sharlene Kaye of NSW Justice Health, both conjoints of the National Drug & Alcohol Research Centre.

New work was published by Professors Darke and Michael Farrell, documenting deaths from opiate withdrawal in the prison setting, the first to do so. Professors Darke and Farrell also published a piece in *Addiction* examining the suitability of drugs within each major drug class for maintenance treatment. No such systematic analysis had been published previously.

A major paper on the years of potential life lost through fatalities in the Australian Treatment Outcome Study cohort of heroin users was published in *Addiction*. The work showed that each death was associated with an average of 44 years of life lost. In relation to heroin deaths, a project was undertaken estimating the survival times following heroin overdose. This project, using metabolites of heroin found in the blood of fatal overdose cases, was the first of its kind to be published. The work demonstrated that, in most cases, the process of dying was prolonged, and that there had been sufficient time for intervention to occur.

A major focus of 2016 was a review of the numbers of methamphetamine-related death, conducted in conjunction with Professor Duflou and Dr Kaye. This is an Australia-wide study of all methamphetamine-related death for the years 2009-2015. This is the first national study of methamphetamine-related death to have been conducted in any country, and will continue to be a focus for 2017. Papers are planned on the epidemiology of methamphetamine-related death, methamphetamine-related cardiovascular pathology and methamphetamine-induced stroke.

As part of a broader focus on drugs and mortality, a study of the characteristics, toxicology and pathology of sudden death cases of pathological hoarders was conducted, with a paper accepted by the *Journal of Legal and Forensic Medicine*.

As part of a program of research on drug-related violence, work conducted in collaboration with Dr Michelle Tye of the Black Dog Institute on the developmental trajectories leading to violent behaviours was published in *Addictive Behaviors*.

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 of the NDARC Library, a specialist drug and alcohol archive for Centre staff.

During 2016, Professor Darke continued his work as Regional Editor for Australasia and Southeast Asia, for *Addiction*, the leading international journal in the field.

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

Professor Louisa Degenhardt

NHMRC Principal Research Fellow



Early findings from The National Opioid Medications Abuse Deterrence (NOMAD) study indicated a decline in national pharmacy sales of 80mg OxyContin® (the dose most commonly used by people who inject drugs) since the introduction of a tamper resistant formulation of OxyContin®.

In 2016, Professor Louisa Degenhardt and her team conducted diverse epidemiological studies including the 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 first funded in 2012 by the National Health and Medical Research Council and is led by the University of Queensland. The goal of the CRE is to design a model mental health service system for Australia to reduce the burden of mental disorders; and to provide a detailed analysis of how the model differs from the existing system. Papers from this work were published in leading psychiatric journals, including *Psychological Medicine*, *Epidemiology and Psychiatric Sciences*, *Bipolar Disorders*, and the *Australian and New Zealand Journal of Psychiatry*. Outcomes of these studies will be used to advise policy makers on the most cost-effective prevention and treatment interventions for a range of mental disorders in order to plan for adequate service delivery.

A national and international collaboration, the **Global Burden of Disease (GBD) project** provides 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 substance use and mental disorders, in collaboration with the University of Queensland, as part of the Core Analytic team for GBD. Annual updates of the GBD work are published in *The Lancet*.

The **Pharmaceutical Opioids IN Treatment (POINT) study** is a national prospective cohort study designed to follow 1500 chronic pain patients prescribed pharmaceutical opioids over a five-year period. It is the first large-scale Australian prospective cohort study to examine the benefits and outcomes of pharmaceutical opioids for chronic non-cancer pain. POINT doctoral student, Gabrielle Campbell, graduated in October 2016.

Using routinely collected data sources and data linkage, another project, **POPPY**, examines in detail the patterns and costs of Pharmaceutical Benefits Scheme-subsidised opioid use, including extra-medical use, in Australia. Work focused on a cohort of individuals initiating strong opioids, including profiling the cohort and exploring the factors associated with the type of opioid initiated. The findings were published in the *British Journal of Clinical Pharmacology*. We completed work exploring opioid access patterns over a 12-month period with a focus on identifying markers of increased access, using metrics such as the number of unique prescribers, pharmacies and dispensings.

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 indicated a decline in national pharmacy sales of 80mg OxyContin® (the dose most commonly used by people who inject drugs) since the introduction of the reformulation.

Work is underway on **global systematic reviews** to estimate the number of people who inject drugs, the prevalence of HIV and viral hepatitis infection within this population, and coverage of HIV prevention interventions for people who inject drugs. Previous estimates have been used by the UN and WHO, governments, and non-government organisations to plan service provision, but these are now a decade old and contemporary data are urgently needed.

Prisons, HIV and International Health

Professor Kate Dolan

Chief Investigator



Professor Kate Dolan was part of a team that received a large NHMRC grant to carry out a randomised double blind placebo controlled study of oral lisdexamfetamine for the treatment of adults with methamphetamine dependence.

2016 saw the completion of several projects in the areas of HIV and prisons. Most notable was a series of journal articles in the *Lancet* for which Professor Kate Dolan led an international team which produced the paper *Global burden of HIV, viral hepatitis and tuberculosis among prisoners, detainees and in compulsory drug detention centres.* Professor Dolan contributed to another three papers and the editorial in the series. This work featured at the 21st International AIDS Conference in Durban in July.

Professor Dolan's work in Iran continued with a paper entitled *Views of Iranian prison staff towards needle exchange program in prison*, where the scheme was operational and then stopped. Professor Dolan is also an investigator on a record linkage study in Iranian prisons; and also launched a Farsi version of a book on women seeking treatment in Iran, titled *A cup of tea with abandoned angels: the challenge of treating drug addicted women in South Tehran,* at the tenth international congress on drug addiction in Iran.

Professor Dolan worked with the International Narcotics Control Board in the writing of their annual report by preparing a chapter on women who use drugs. She carried out training for the World Health Organisation in Abu Dhabi in November, training health managers on how to treat people with substance abuse disorders.

Doctoral student Zahra Alam-Mehrjerdi authored several key papers on her work with women in Iran and will shortly submit her thesis titled *Effects of brief cognitive-behavioral therapy on methamphetamine use among women in methadone treatment in Iran (A randomized, controlled trial).*

Zeeshan Ayyaz presented the team's work entitled *Narcotics are cheaper than food in Pakistan: Our PWIDS are dying from AIDS* and *Young Pakistani girls are at risk of HIV but know nothing about it* at the MENAHRA Conference in Lebanon, 2016.

Professor Dolan continued working with colleagues at UNSW on a study of Hepatitis C incidence in prison. The group has worked on this project for ten years and documented incident hepatitis C virus infection among people with a history of injecting drug use in an Australian prison setting, 2005-2014: the HITS-p study.

The team commenced a project to conduct a randomised controlled trial of the brief intervention Smoking, Nutrition, Alcohol and Physical Activity (SNAP) in Northern Territory prisons, with two visits to the Northern Territory to start the trial. The trial's aim is to maintain abstinence from smoking after release from prison. We also worked closely with communities from Beswick near Alice Springs.

Professor Dolan was part of a team that received a large NHMRC grant to carry out a *Randomised double blind placebo controlled study of oral lisdexamfetamine for the treatment of adults with methamphetamine dependence.*

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

Professor Richard Mattick

NHMRC Principal Research Fellow



Alcohol use is common among pregnant women in Australia, with high rates of intake prior to pregnancy awareness. Low-level prenatal alcohol exposures were not linked to offspring developmental deficits.

2016 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 Pregnancy Cohort Study), overseen by Dr Delyse Hutchinson, achieved a range of outputs in 2016, including publications and conference presentations. Working with our partners, the Universities of Queensland, Deakin, Sydney, Curtin, and Murdoch Children's Research Institute (MCRI) – our results show that alcohol use is common among pregnant women in Australia, with high rates of intake prior to pregnancy awareness. Low-level prenatal alcohol exposures were not linked to offspring developmental deficits.

2016 also saw three doctoral students on the study complete their degrees: Dr Clare McCormack, Dr Larissa Rossen and Dr Hannah Fiedler.

Our national study (with Universities of Newcastle, Queensland, Tasmania and Curtin) *Australian Parental Supply of Alcohol Study* (APSALS), saw our team completing the sixth wave of data collection, publishing data, and obtaining continued funding to enable follow-up of the cohort of adolescents into early adulthood. Results from the first five waves of data (Years 7-11 of high school) were presented at national conferences and two papers were published. The study found that children supplied alcohol by their parents are at significantly higher risk of drinking, but not of binge drinking.

We are continuing the cohort of almost 2,000 families with further competitive funding from Australian Rotary Health into 2017-2018.

The Young Australians Alcohol Reporting System (YAARS) study, led by Curtin University, received additional Commonwealth funding to undertake 2016-2017 data collection in eight sites nationally. Several papers from the 2013 wave of data collection were published, indicating that the heavy drinking sample are experiencing substantial acute and potentially chronic consequences from their drinking and that current alcohol licencing regulations are not effectively controlling under-age purchasing and drinking.

Dr Edmund Silins completed another year of his *Cannabis Cohort Research Consortium* (CCRC) post-doctoral position. The work has been recognised for its impacts and its ability to show the associations between early drug use and poor adult achievements.

NDARC's work in smoking cessation and social disadvantage was disseminated at international conferences. Professor Mattick and Dr Ryan Courtney were also co-investigators on an RCT to enhance pharmacological and behavioural support to reduce smoking relapse). In addition, NDARC has received additional NHMRC project grant funding to complete world-first cytisine vs varenicline for smoking cessation and is involved with a new longitudinal study to assess the impact of vaporised nicotine products on youth smoking.

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. In 2016 she has been working on several projects examining sex differences in the relationship between heavy alcohol consumption and cognitive dysfunction, and the effectiveness of inhibitory training as a method to reduce alcohol consumption in young people.

We intend to further pursue these research streams in 2017. We are pursuing multiple leads for further work on smoking, and on parental supply of alcohol.

Drug Policy Modelling Program (DPMP)

Professor Alison Ritter

NHMRC Senior Research Fellow



International collaborative research on cryptomarkets is exploring the ways in which the internet and new technologies influence the sales, supply and use of currently illicit drugs.

Consistent with our goals for the Drug Policy Modelling Program (DPMP), throughout 2016 we have sought to inform and influence Australian decision-makers through the dissemination of our research findings in both academic and policy circles, 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. The DPMP has been a central participant in two Parliamentary roundtables this year. The first, in March, was the Australian Parliamentary Drug Summit, held at Parliament House in Canberra. Dr Caitlin Hughes was one of keynote presenters and the event was facilitated by Professor Alison Ritter. In August, we participated in the NSW Parliament Cross-Party Harm Minimisation Summit, where Professor Ritter again facilitated and Dr Monica Barratt was a presenter.

We have generated evidence on current policy issues, for example contributing to debates about medicinal cannabis and drug checking services. Research from Dr Barratt on the perceived acceptability of drug checking models for Australia will inform service design. Dr Barratt has continued her international collaborative research on cryptomarkets, exploring the ways in which the internet and new technologies influence the sales, supply and use of currently illicit drugs.

In 2016 Dr Thu Vuong and Dr Kari Lancaster completed their doctorates. Dr Vuong's commitment to research into compulsory treatment options has continued with the evaluation of the NSW Involuntary Drug and Alcohol Treatment program (2016 to 2018). Dr Lancaster is continuing to research the ways in which 'evidence' is deployed in drug policy making.

We have also welcomed a new doctoral student, Richard Mellor, who is studying behaviour change in the absence of formal treatment, and joins our two continuing doctoral students, Matthew O'Reilly who is studying the ways in which illicit drug supply and trafficking has changed over time; and Vivienne Moxham-Hall who researches the use of drug policy indexes to facilitate comparative policy analysis.

Our research program in drug law enforcement, led by Dr Caitlin Hughes, includes work on estimating the deterrent effects of different policing strategies, better understanding the complex factors associated with criminal networks, drug markets and high level trafficking and a project assessing the cost-effectiveness of diversion.

The importance of economic evaluation in drug policy cannot be overstated. Dr Marian Shanahan continued to lead economic evaluation work both with DPMP and across a broad range of NDARC projects. This has included a project for the NSW government on the social cost of smoking (with Dami Sotade), and a collaborative project with the NDRI on the social cost of methamphetamine.

This year the DPMP was the host for the International Society for the Study of Drug Policy annual scientific conference. Bringing more than 180 national and international delegates to Sydney, the program covered the depth and breadth of drug policy research, with sessions on legalisation and decriminalisation, policing and law enforcement, medical cannabis, drug treatment, harm reduction, HCV, policy processes, cryptomarkets, new psychoactive substances , and drug user organising.

The DPMP team generated more than 50 publications and 20 conference presentations in 2016 and Professor Ritter was awarded the 2016 Australasian Professional Society on Alcohol and other Drugs (APSAD) Mentoring award.

Community interventions: high risk young people and Indigenous communities

Professor Anthony Shakeshaft

Chief Investigator



The community-based approach has taken centre stage for us in 2016 and we will be releasing outcome data on a multi-community evaluation in mid-2017.

This year saw Professor Anthony Shakeshaft and his team continue to successfully engage with NGOs, government services and whole communities to design, implement and evaluate a range of innovative interventions.

We have partnered with an NGO to devise and demonstrate a model of high-quality evaluation that is embedded into the routine delivery of their services for very high-risk young people who are experiencing multiple and complex problems. The aim of providing these services is to prevent high-risk young people from progressing into juvenile or adult detention, and the poor substance use and health outcomes that are associated with incarceration. The aim of the evaluation is to quantify the costs and benefits of such services, to specifically estimate the benefits they achieve and to weigh those benefits against the cost of providing services. Doctoral candidate Alice Knight has taken the research lead in this challenging area.

One indicator of the success of this approach is that we have been awarded an ARC Discovery grant, to commence in 2017, which will expand this approach to NGOs nationally. If we can show the feasibility of this partnership approach across NGO services for high-risk young people nationally, then it provides a compelling argument for the international uptake of this approach to embedding evaluation into the day-to-day delivery of services. If successful, it will improve the quality both of services and of the evidence base. More importantly, it will improve the life-span trajectory of a much greater number of high-risk young people.

We have also been working with Indigenous communities and partners in NSW and Queensland to evaluate the impact of a range of programs designed to prevent alcohol and other drug harms. These programs include the regulatory approach of alcohol management plans in Far North Queensland, mentoring of high school students who are vulnerable to suicide risk, examining prison-based substance abuse treatment services, and the bottom-up approach of partnering with Indigenous communities to develop, implement and evaluate their own strategies. The latter community-based approach has taken centre stage for us in 2016 and we will be releasing outcome data on a multi-community evaluation in mid-2017. This project, led by doctoral candidate Mieke Snijder, is the culmination of a partnership between Indigenous communities and NDARC that has been underway for three years. The initial data look promising and results should be available in 2017.

Doctoral candidates Alice Munro and Doug James have been leading a partnership between NDARC and the Aboriginal residential rehabilitation services in NSW. They have collected data from some of these services covering a retrospective period of five years. The goal is to facilitate an innovative model of evaluation of these services that is embedded into the real-time delivery of their services.

We have been working in mainstream clinical services to improve patient outcomes by more effectively combining clinical skills with research skills. Projects include Catherine Foley's doctoral research on the key mechanisms for the successful integration of drug and alcohol services with mental health services for patients who have both issues.

The team will commence at least two new, large-scale research programs in 2017. The first is to establish a new NHMRC Centre of Research Excellence, specifically aimed at building Indigenous research capacity to find solutions to alcohol problems. This project is led by a highly experienced team of both Indigenous and non-Indigenous Chief Investigators from a national network of clinical services and universities. The second is the previously mentioned ARC Discovery grant.

The Centre of Research Excellence in Mental Health and Substance Use

Professor Maree Teesson

NHMRC Senior Research Fellow



While mental and substance use disorders are pervasive and present a clinical challenge to public health, the Centre is establishing itself as a major national and international game changer.

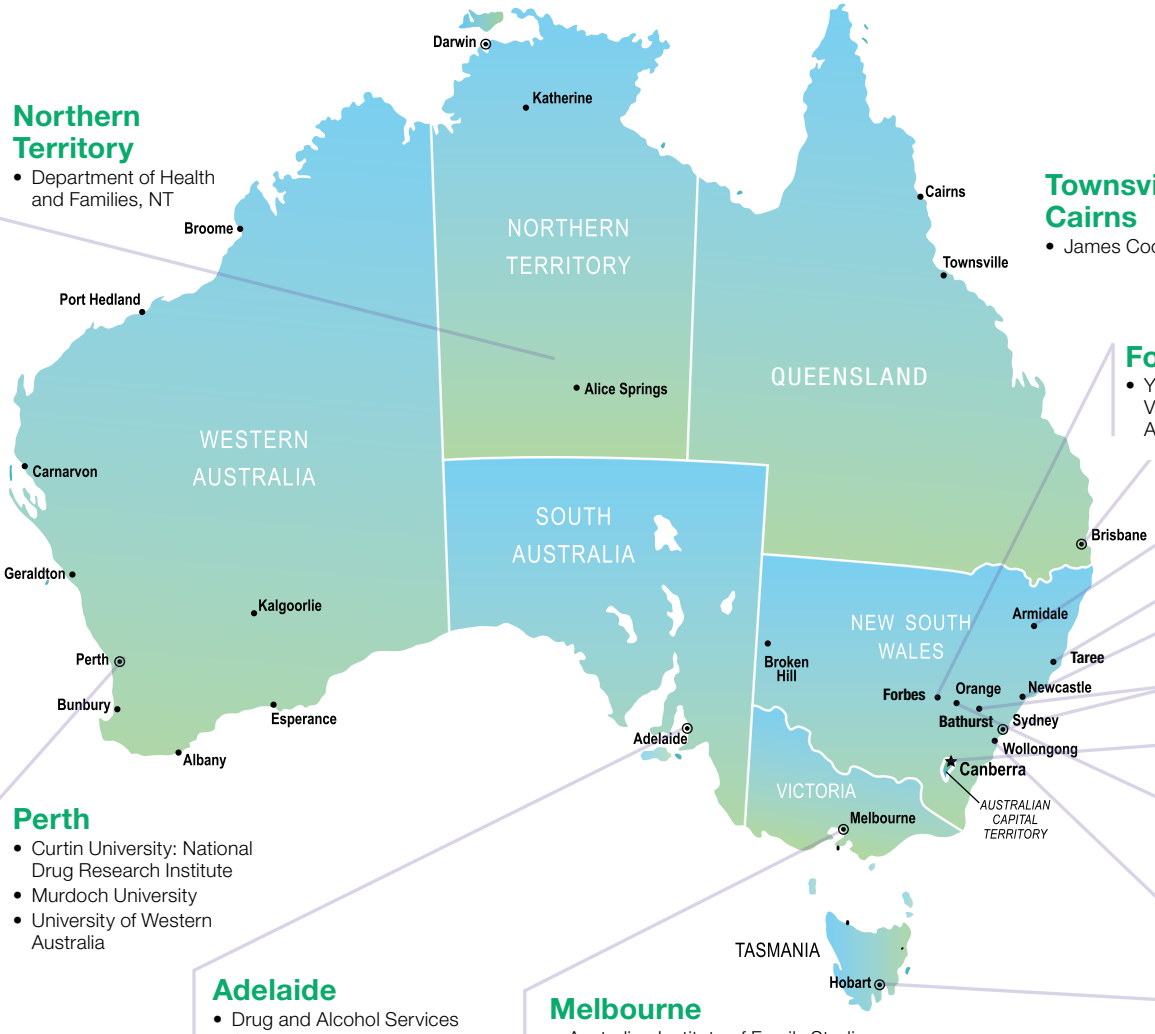
The Centre of Research Excellence in Mental Health and Substance Use (CREMS) had an outstanding year in 2016, generating significant new research, ensuring the effective transfer of research knowledge and mentoring future research leaders. While mental and substance use disorders are pervasive and present a clinical challenge to public health, the Centre is establishing itself as a major national and international game changer.

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, 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 (University of Newcastle), A/Professor Katherine Mills (UNSW), Dr Frances Kay-Lambkin (NDARC), Professor Paul Haber (University of Sydney), A/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 2016, CREMS had more than 30 academic and research staff based at NDARC and more than 70 staff and affiliated members, including 12 doctoral students, across affiliated institutions. More than 40 significant and diverse research projects are underway in 2016. These projects span collaborations across the world and are funded through the NIH, NHMRC, Australian government, NSW government, Rotary, and philanthropy. Projects have begun in each of our focus areas: prevention (led by Dr Nicola Newton), treatment (led by Associate Professor Katherine Mills), epidemiology (led by Associate Professor Tim Slade and Dr Cath Chapman) and translation (led by Associate Professor Kay Lambkin). More than 180 peer-reviewed papers were published, including 12 systematic reviews. Our annual conference was held in Sydney, and major workshops and webinars were held in conjunction with other conferences throughout the year. Another avenue of dissemination was our website and social media with more than 30,000 people engaged through our website, workshops, newsletters, national presentations, webinars, twitter and Facebook. We have also provided policy advice to state and Australian governments and to the UNODC. Professor Teesson was elected to two prestigious academies; she is NSW Chair for the Australian Academy of Health and Medical Sciences and also a Member of the Academy of Social Sciences, Australia.

CREMS staff received more than 20 major national and international awards. Our passion and commitment to addressing the burden of mental disorders and substance use has been reinforced by the endorsement of our Executive Advisory Board and senior staff in planning and growth. We value true collaboration with clinicians and consumers as the ultimate users of our research.

NDARC Collaborators



Northern Territory

- Department of Health and Families, NT

Townsville & Cairns

- James Cook University

Forbes

- Yoorana Gunya Family Violence Healing Centre Aboriginal Corporation

Perth

- Curtin University: National Drug Research Institute
- Murdoch University
- University of Western Australia

Orange

- The Lyndon Community

Wollongong

- University of Wollongong

Hobart

- University of Tasmania

Adelaide

- Drug and Alcohol Services South Australia
- Flinders University: National Centre for Education and Training on Addiction
- National Organisation for Fetal Alcohol Syndrome and Related Disorders
- University of Adelaide
- University of South Australia

Melbourne

- Australian Institute of Family Studies
- Burnet Institute
- Deakin University
- Monash University
- Centre for Adolescent Health, Royal Children's Hospital
- The Cancer Council Victoria
- University of Melbourne
- Murdoch Childrens Research Institute
- Orygen Youth Health Research Centre
- Youth Support and Advocacy Service
- Turning Point, Deakin University

United States

- Brown University, Rhode Island
- Medical University of South Carolina, South Carolina
- Northwestern University Feinberg School of Medicine, Illinois
- Rhode Island Department of Corrections, Rhode Island
- University of Nebraska Medical Center, Nebraska
- Washington University, Missouri
- Carnegie Mellon University, Pennsylvania
- Johns Hopkins University, Maryland
- University of California San Diego, California
- University of Maryland, Maryland
- University of Minnesota, Minnesota
- University of Toledo, Ohio
- University of Washington: Institute for Health Metrics and Evaluation, Seattle, Washington
- Department of Health Care Policy, Harvard Medical School, Harvard University
- Wright State University, Ohio
- Stony Brook University, New York
- Open Society Foundations

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

- ANACAD (Australian National Advisory Council on Alcohol and Drugs)
- ACT Health Directorate
- 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

PARTNERING TO EASE THE BURDEN OF ABORIGINAL DISADVANTAGE



The burden of drug and alcohol misuse is still disproportionately high in Aboriginal communities compared with the general population in Australia. Led by Professor Anthony Shakeshaft, NDARC is leading a number of collaborations with NGOs, government services and whole communities in remote and regional Aboriginal communities, designed to alleviate this burden. A key feature of the collaborations is the approach of partnering with Indigenous communities and organisations to enable them to develop, implement and evaluate their own strategies. The approach is based on good evidence that the communities are best placed to design and deliver their own interventions with researchers providing research data and evaluation.

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
  Hunter New England
- 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,
  Centre for Big Data Research in Health
  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

Canada

- University of Toronto and CAMH
- University of Montreal, Quebec



Europe

- United Nations Office of Drugs and Crime, Vienna
- Trimbos Instiuut, Utrecht
- World Health Organization, Geneva
- UNAIDS, Geneva
- University of Twente, The Netherlands
- EMCDDA
- Ukrainian Institute on Public Health Policy
- Carlos III Institute of Health, Madrid

Middle East

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

United Kingdom

- Harm Reduction International
- Public Health England
  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, Manilla
- UNODC Southeast Asia & the Pacific, Bangkok

New Zealand

- University of Otago, Dunedin

The Year in Review



Associate Professor Timothy Dobbins, with Courtney O'Donnell (POINT) and Samantha Colledge (Global Reviews), is one of two senior biostatisticians at NDARC. Our biostatisticians are involved at every stage of research from study design to advice on data collection and final analysis.

The POINT study was established in response to concerns about potential adverse effects of increasing prescribing of strong opioids for non-chronic cancer pain. Following 1,500 patients over 5 years it is the first large-scale Australian study of both the benefits and risks of this trend.

Introduction

In a difficult funding environment, which has seen Australia-wide reductions in grant awards across the health and medical research sector, NDARC received more than $16 million in new funding from NHMRC, the Australian Government and the ARC for grants and fellowships commencing in 2017 in addition to numerous grants from state governments and NGOs. Methamphetamine was a major focus of both the government and the media in 2016 and we played an active role advising governments and commenting in the media. In December we were advised of our success in leading a new Australian Government funded centre of excellence for the clinical management of emerging drugs of concern including methamphetamine.

All staff was actively involved in dissemination of findings with 266 articles published in peer-review journals; 61 reports and book chapters and 166 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

Pharmaceutical opioid dependence:

Opioid agonist treatment is commonly initiated as a first-line treatment for individuals with pharmaceutical opioid dependence, even though much of the evidence base for the use of pharmacotherapy treatments in opioid dependence has been derived from studies conducted with primarily or exclusively heroin-dependent samples. As part of her NHMRC Early Career Fellowship, Dr Suzanne Nielsen is establishing an evidence base for treatment of prescription opioid dependence. She published a series of studies using data from a sequence of randomised controlled trials comparing different aspects of treatment for heroin and prescription opioid dependence to better understand the unique treatment needs for pharmaceutical opioid users.

Key publications in 2016 Cochrane review: Opioid maintenance medicines for the treatment of dependence on opioid pain medicines. This work was presented at international meetings including the college of dependence on drug problems, and has been the topic of a number of invited presentations.

Naloxone

Community supply of naloxone has the potential to prevent opioid-related overdose. With the change to make naloxone available without a prescription in community pharmacies, there is an enormous opportunity for community pharmacists to save lives through naloxone distribution. Dr Nielsen, who is a qualified pharmacist, has also developed a research project aimed at expanding the capacity of community pharmacies to respond to pharmaceutical opioid problems. This work has led to an understanding of pharmacists' readiness to supply naloxone in community pharmacy and is the first study to inform how to address barriers in community pharmacy. The work was published in Addiction and highlighted in the NDARC symposium. Dr Nielsen is a National Naloxone Reference Group member, working with national stakeholders (consumers, Government, professional groups and academics) to maximise the translation of naloxone overdose prevention research into lives saved with naloxone.

Prevention resources

The **Positive Choices drug prevention portal** (www.positivechoices.org.au) has enabled access to evidence-based drug and alcohol prevention resources for more than 39,000 users across Australia and internationally since its launch in December 2015. Development of the national portal was funded by the Department of Health as part of the government's drug



With a focus on translation and through its research streams of epidemiology, prevention and research, the Centre for Mental Health and Substance Use (some team members pictured above) has made inroads over the past five years into alleviating the widespread burden of co-occurring mental health and substance use disorders



PhD student Veronica Boland is a member of the tobacco control team. She has produced a number of innovative qualitative papers helping low SES people quit, including evaluating the cost effectiveness of text messaging to assist low SES people to adhere to treatment and the effectiveness of technology based interventions for smoking cessation.

prevention strategy for schools. This work is led by Dr Lexine Stapinski, Dr Nicola Newton, Professor Maree Teesson, Dr Cath Chapman and Siobhan Lawler, in collaboration with NDRI. A post-launch evaluation of site use and impact among Australian teachers was conducted between August and October 2016. Teacher responses reflected a strong preference for evidence-based teaching approaches, although evidence-based programs were implemented by less than one in four. Teachers who used *Positive Choices* were more likely to consider the evidence base when selecting a resource, reported they felt more comfortable providing drug education and found their students more engaged since using the *Positive Choices* portal. The Positive Choices team has facilitated teacher workshops at national events including annual conferences of the PDHPE Teachers Association, ACHPER, and Peak Phys Ed.

In July 2016, as part of the ongoing work to support the Positive Choices Prevention Portal, The Australian Government Department of Health funded the development and evaluation of an online integrated student and parent intervention to prevent alcohol and cannabis harms among adolescents. The project builds on the successful Climate Schools Student Program and will incorporate an online parenting component based on a successful program developed by Dr Ina Koning in The Netherlands. Dr Nicola Newton and Dr Cath Chapman, are leading the research team and Dr Louise Thornton is leading the program development. The team includes Dr Ina Koning, Dr Katrina Champion, Dr Lexine Stapinski, A/Professor Tim Slade, Ms Dana Leidl and Professor Maree Teesson. The project was funded in July 2016 and is in the early stages of consultation and development. A project overview was presented at the CREMS Annual Colloquium in December, 2016.

The *Positive Choices* webinar series was launched in 2016. The series covered topics of relevance to school staff and parents, including drug and alcohol and the maturing brain, and actions available to teachers and parents to prevent drug-related harms. The webinars were attended or viewed by 376 people.

NHMRC project funding was secured for the **Pathways to prevention study** (2017 to 2019), which examines the long-term effectiveness of school-based drug prevention approaches into young adulthood, a period of high-risk for alcohol and other drug-related harms. The study extends the landmark *Climate and Preventure (CAP)* study (2012 to 2015), which was the first to trial a comprehensive approach combining universal and selective prevention strategies, with findings published in the *Journal of Child Psychology and Psychiatry.* Worldwide, little is known about the effectiveness of drug prevention beyond three years, and this new funding will allow for an extended follow-up (spanning a seven-year period from adolescence to early adulthood) to examine the mechanisms and durability of effects into early adulthood. The Chief Investigators on this study are A/Professor Nicola Newton, Professor Maree Teesson, Dr Lexine Stapinski, A/Professor Tim Slade, Professor Patricia Conrod, Dr Emma Barrett, Dr Katrina Champion and Dr Cath Chapman.

Women

A/Professor Lucinda Burns has returned as head of the Drug Trends Program after a substantial period overseas. She is continuing her work on substance use in pregnancy. With Dr Courtney Breen, she has tested the resource (previously developed by them) to identify, manage and refer women who are pregnant and drug dependent into appropriate services. Dr Burns continues to serve on the technical Advisory Group to the Federal Health Minister, tasked with providing advice and support in the area of prevention and management of foetal alcohol syndrome (FAS). Dr

The *Making InroADs* online program with therapist email and telephone support is designed to empower young adults, enhance anxiety coping skills, and prevent the escalation of drinking.

Burns also continues her research work with linked data in this area. 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 including the relative efficacy of different treatment approaches. While overseas she undertook the Professional Specialization Certificate in Population Health Data Analysis through the University of Victoria and Canada Health.

She also has a focus on clinical approaches to the management of neonates exposed to substances in pregnancy. This work is in collaboration with Australia's Royal Hospital for Women and international collaborations with Battelle Public Health Center for Tobacco Research in the US and Mahidol University in Thailand. Continuing her theme of projects relevant to people most at risk, Dr Burns was also successful, with collaborative partners including the Social Policy Research Centre (UNSW), in obtaining funding from the Australian Housing and Urban Research Institute to examine the relationship between domestic violence and the provision of housing and the issues substance use causes in this area.

Patterns of alcohol and drug use

In 2016, Dr Courtney Breen provided information and training presentations to drug and alcohol services as part of an evaluation of a best practice resource developed for health professionals to support pregnant women who use alcohol and other drugs. The resource, developed at NDARC, was given to selected services by the Department of Health and the services were asked for feedback on its usefulness. Dr Breen provided additional information and training tailored to individual service requests to fill knowledge gaps.

Nearly three times as many people preferred the Backtrack innovation to greater Police presence.

Comorbidity

Second edition of the National Comorbidity Guidelines: Dr Christina Marel led the development of the second edition of the Australian Government Department of Health-funded *Guidelines on the management of co-occurring alcohol and other drug and mental health conditions in alcohol and other drug treatment settings*, which were launched at the NDARC Annual Symposium in September 2016. The second edition of the guidelines was based on the best available evidence and developed in consultation with a panel of experts and key stakeholders. The guidelines are designed to increase the knowledge and awareness of co-occurring mental health conditions in alcohol and other drug (AOD) treatment settings, improve the confidence and skills of alcohol and other drug workers, and increase the uptake of evidence-based care.

With further funding from the Australian Government Department of Health, Dr Christina Marel is leading the **translation and dissemination of the guidelines into clinical practice**. With A/Professor Katherine Mills, Jack Wilson, and Professor Maree Teesson, Dr Marel is distributing hardcopies of the guidelines to all AOD services, universities and TAFEs across Australia, developing an online web platform to host the guidelines content, and developing an online training



Methamphetamine use disorder is a global health concern and a significant problem among female methadone patients in Iran. To date, there is no approved pharmacological treatment. The Baker treatment model or brief cognitive behavioural therapy (CBT) has been endorsed as a therapy in Australia. PhD student Zahra Alam-Mehrjerdi conducted a randomised controlled trial (RCT) of this CBT model among a group of female methadone patients with methamphetamine use disorder in Tehran, Iran. The results of the RCT indicated that the Australian model of drug treatment was significantly more effective in reducing regular methamphetamine use among the participants and improving their social and health contexts.

Professor Louisa Degenhardt and Dr Sarah Larney produced the first credible contemporary estimates of regular and dependent methamphetamine use in Australia. This work highlighted recent increases in methamphetamine use in Australia, particularly among young people.

program to support the uptake of the guidelines and facilitate their translation into practice.

Young people

Siobhan Lawler's doctoral research proposal was accepted and in 2017 she will commence her research exploring the **links between substance use and violent behaviour** among young people. Siobhan is also Research Assistant on the Positive Choices project and during 2016 gave five presentations at national and international conferences.

Erin Kelly's doctoral research, exploring whether **personality-targeted interventions are effective in reducing bullying,** was presented at the World Congress of Cognitive Behavioural Therapies in Melbourne.

New funding was awarded by Australian Rotary Health to Dr Lexine Stapinski, A/Professor Nicola Newton and Professor Maree Teesson for a randomised controlled trial of an innovative program to prevent alcohol-related harms among anxious young adults. The ***Making InroADs* online program** was developed during 2016 with fellowship support to Dr Lexine Stapinski from the Society for Mental Health Research. The online program with therapist email and telephone support is designed to empower young adults, enhance anxiety coping skills, and prevent the escalation of drinking. The trial will begin in 2017.

A/Professor Nicola Newton and Dr Lexine Stapinski presented a plenary presentation on the **prevention of substance use among young people** at *The Mental Health Services Summer Forum*, in Sydney.

Four webinars were presented as part of the CREMS webinar series in 2016, disseminating **research findings relating to mental health and substance use** to more than 300 people. Presenters in 2016 were Dr Matt Sunderland, A/Professor Tim Slade, Dr Christina Marel, Dr Joanne Ross and Dr Jo Cassar.

Alice Knight and Professor Anthony Shakeshaft's **evaluation of Backtrack**, an innovative Australian intervention program for at risk teens, is still in progress, with final outcomes expected to be published mid-2017. Preliminary results suggest the program has had a positive impact on youth crime. Analysis of police incident data for all young people from the five communities who have had access to BackTrack has shown a consistent reduction in crime trends after the commencement of BackTrack, compared to a previous period of at least seven years. In November, Professor Shakeshaft and a team of multidisciplinary researchers from universities across Australia and Canada were awarded an ARC Discovery grant to extend the BackTrack research to remote Australian and Canadian communities. This project will commence mid-2017.

This type of community-based program appears popular with general community members. Nearly three times as many people preferred BackTrack to greater police presence, even if it was shown to be more expensive to provide and less effective than greater police presence. The results will be published in 2017.

Alice Knight's literature review, entitled *The quality and effectiveness of interventions that target multiple risk factors among young people: A Systematic Review*, was published in in the *Australian and New Zealand Journal of Public Health*. The review found that only 10% of 129 evaluation studies of interventions for high-risk young people were for ***interventions that addressed co-occurring risk factors*** and more than half of these studies were rated as methodologically weak. The findings were presented at the NDARC Symposium and at the 22nd International Association for Child and Adolescent Psychiatry and Allied Professions World Congress in Calgary, Canada.

Dr Christina Marel led the development of the second edition of the Australian Government Department of Health funded *Guidelines on the management of co-occurring alcohol and other drug and mental health conditions in alcohol and other drug treatment settings.*





The innovative drugs and new technology program reports drug markets operating on the dark net – a restricted network that cannot be accessed by standard browsers. The program has four years of data following changes in this market over time. In 2016 it investigated the impact of major disruptions such as law enforcement operations shutting down markets. Pictured left is DNet researcher Joe Van Buskirk with Acting Drug Trends Program Manager, Dr Courtney Breen.

Tobacco control

The NDARC ***Tobacco Control team*** began 2016 with the successful completion of the NHMRC-funded *Financial Intervention for Smoking Cessation among Low-income Smokers* (FISCALS) Project Grant. NDARC commenced a world-first NHMRC-funded (four-year/$1.86million) Project Grant that will compare the ***cost-effectiveness of cytisine versus varenicline***. This project is led by Professor Michael Farrell and Dr Ryan Courtney, with national and international collaborators.

Dr Dennis Thomas joined the Tobacco Control team as Post-Doctoral Research Fellow and Project Co-ordinator on the cytisine versus varenicline clinical trial.

Professor Kate Dolan and fellow chief investigators (CIs) Dr Emily Stockings, Dr Ryan Courtney and Professor Anthony Shakeshaft secured Australian Department of Health funding (two-year/$771k) in the ***Tackling Indigenous Smoking*** Innovation Grants Funding round. This project will evaluate a randomised controlled trial (RCT) of smoking, nutrition, alcohol and physical activity (SNAP) to improve smoking relapse rates among Indigenous Australian prisoners in the Northern Territory.

Professor Anthony Shakeshaft, NDARC CIs Dr Ryan Courtney and Professors Richard Mattick, Kate Dolan and Michael Farrell also received Shanghai Jiao Tong University/UNSW Research funding to ***develop and apply the Tobacco and Alcohol Policy*** (TAPAT) in Australia and China.

Professor Alison Ritter received Sax Institute funding to undertake and complete a ***Social and Economic Costs of Smoking in NSW*** study, with NDARC collaborators. Additionally, NDARC co-investigator Dr Ryan Courtney began work with the Cancer Council Victoria, on a NHMRC-funded (five year/$1.6 million) Project Grant led by Professor Ron Borland to investigate ***the impact of vaporised nicotine products on youth smoking*** in Australia.

Lead investigator Professor Richard Mattick and CIs Dr Ryan Courtney and Professor Anthony Shakeshaft secured NHMRC Project Grant funding (four year/$1.381million) to assess the cost-effectiveness of ***vaporised nicotine products (VNPs) for smoking cessation*** in low-socioeconomic status (low-SES) Australian smokers. Dr Ryan Courtney was also named as CI on a new Project Grant led by University of Queensland's A/Professor Coral Gartner to examine ***the cost-effectiveness of VNPs***, in addition to standard smoking cessation treatment for promoting abstinence in priority populations living with co-morbidities. Both these projects will provide evidence on the cost-effectiveness and safety of VNPs.

On behalf of NDARC's Tobacco Control team, Dr Ryan Courtney presented two abstracts at the 22nd Society for Research in Nicotine and Tobacco (SRNT) Chicago Meeting. He also attended and presented at the 3rd Global Forum for Nicotine (GFN) Conference in Warsaw, Poland.

Dr Marian Shanahan and Professor Alison Ritter received Sax Institute funding to undertake and complete a ***Social and Economic Costs of Smoking in NSW study***, with other NDARC collaborators..

The role of text messaging in health

Doctoral student Veronica Boland completed a series of seminal qualitative papers to inform the development of NDARC's Cancer Institute New South Wales-funded RCT, led by Dr Ryan Courtney, examining

Postdoctoral Early Career Researcher Dr Dennis Thomas, pictured, is coordinator of the largest clinical randomised controlled trial ever run by NDARC. The RCT is comparing the cost effectiveness of the pharmacological smoking cessation treatment cytisine with varenicline, currently considered the most effective treatment. The results will have significant impact on public health policy as cytisine is significantly cheaper than varenicline. The world first four year $2 million NHMRC trial is led by chief investigators Dr Ryan Courtney, a Cancer Institute of NSW Early Career Fellow, and NDARC Director Professor Michael Farrell. Other significant projects being run by the tobacco control team include an RCT to test the efficacy, cost-effectiveness, and safety of e-cigarettes at increasing smoking cessation compared to standard treatment in low-SES smokers over a one-year period.



the ***cost-effectiveness of text messaging to increase treatment adherence*** and abstinence rates among low-SES Australian smokers. Ms Boland also published the first systematic review to evaluate the ***effectiveness of technology-based interventions for smoking cessation*** among low-SES and disadvantaged population groups.

Treatment Policy

Dr Thu Vuong is working with Professor Alison Ritter and Dr Marian Shanahan and other NDARC researchers in her role as Postdoctoral Fellow to **evaluate the Involuntary Drug and Alcohol Treatment (IDAT) Program** in New South Wales, commissioned by the NSW Ministry of Health. The evaluation aims to explore the issues of ethics and rights pertaining to the delivery of the IDAT program, to identify if the program achieves its stated objectives in reducing alcohol and drug use and reducing utilisation of health services for acute and intensive health care, and to estimate the costs of the program delivery.

Patterns of alcohol and drug use

Mental health

In 2016 Dr Lexine Stapinski was funded by the Society of Mental Health Research to complete an Early Career Fellowship to understand **the link between anxiety and alcohol use over the transition from adolescence to adulthood**. Her research on this topic involved international collaborations with Dr Jon Heron and Professor Matt Hickman at the University of Bristol, and has been presented at international conferences (World Congress of Cognitive Behavioural Therapies in Melbourne, Society for Mental Health Research), and published in the leading prevention journal *Prevention Science.*

Methamphetamine

Early in 2016, Professor Louisa Degenhardt and Dr Sarah Larney produced the first credible contemporary **estimates of regular and dependent methamphetamine use** in Australia. This work highlighted recent increases in methamphetamine use in Australia, particularly among young people, and received extensive media attention. Professor Degenhardt and Dr Larney followed this by estimating **the prevalence of injecting drug use in Australia**; this work is in high demand and has been presented to government policy makers and at several conferences.

Women

A major output, recently published in *BMJ Open*, was the first study internationally to confirm and quantify the closing gender gap in alcohol use and related harms among men and women born over the past 100 years. The findings were reported by more than 175 news outlets globally (including more than 1000 print, 5 TV news, and 35 radio stories), tabled in the UK Parliament and is ranked in 99th percentile of all research outputs tracked in Altmetrics. Similar findings were observed with regards to cannabis use and have been accepted for publication.

Comorbidity

In 2016 the CREMS epidemiology team began exploring novel approaches to mental and substance use disorder comorbidity through cutting-edge network analysis techniques. Representing a new direction of research for the team, this approach conceptualises

Among recently born cohorts, the rates of drinking and volume of alcohol consumed were significantly lower compared to those born in the 1950s and 1960s.

the comorbidity between different disorders as a network of interlinked symptoms, each to some degree associated with all other symptoms. From this we can begin to understand which symptoms might form a "bridge" between two putatively separate disorders, thus reinforcing the comorbid relationships between those two disorders. With the help of Dr Kamran Afzali, a postdoctoral research fellow who came to NDARC for six months in 2016, we have applied these techniques to the comorbidity between alcohol use disorder and post-traumatic stress disorder. The results were recently published in the *Journal of Affective Disorders*.

In 2016 Dr Matt Sunderland continued work on innovative research on the measurement of mental and substance use disorders. In recognition of this work, he and A/Professor Slade were invited to join an international consortium of researchers working toward new models and methods to examine the organisation of mental and substance use disorders in our contemporary classification systems. Known as the Hierarchical Taxonomy of Psychopathology (HiTOP) consortium, this group represents the largest concentration of psychiatric classification researchers worldwide. The objective is to revolutionise the nosology of mental and substance use disorders. An initial framework for this consortium has recently been accepted for publication in *Journal of Abnormal Psychology*.

Alcohol

Continuing the theme of trends in alcohol use, a study led by Dr Michael Livingston was published in the leading drug and alcohol journal, *Addiction*. It examined recent trends in alcohol use in Australia. The findings demonstrated that, among recently born cohorts, the rates of drinking and volume of alcohol consumed were significantly lower compared to those born in the 1950s and 1960s. These trends are consistent with international shifts in youth drinking and point to a changing landscape of alcohol use. Further work is underway to determine whether similar trends are evident in cannabis use.

A/Professor Tim Slade, with Dr Wendy Swift and Dr Louise Mewton, began a new project examining the emergence of alcohol use disorder (AUD) across the late adolescent/early adulthood period. Known as the RADAR project, this study will follow a cohort of about 2000 adolescents over five years and track the early development of alcohol use disorder symptoms, with the objective of uncovering systematic patterns in early symptom emergence. The findings of this project will have implications for early intervention to halt the development of AUD and prevent the burden associated with this disorder.

The Australian Parental Supply of Alcohol Longitudinal Study (APSALS)

The parental supply of alcohol study team (Professor Richard Mattick, Alexandra Aiken, Philip Clare, Veronica Boland, A/Professor Tim Slade and collaborators in Western Australia, Queensland and Tasmania) continue

In May 2016, the 10th Annual Conference of the International Society for the Study of Drug Policy was convened in Sydney by DPMP.

to examine parental influence on teenage drinking patterns. The study has followed 2000 pairs of parents and children from year 7 to year 12 of school.

This landmark study presents findings with important community, social and political implications. The findings also have important opportunities to be translated on an international level. Internationally, this is the largest and longest running cohort to investigate parental supply of alcohol. The cohort is broadly representative of the Australian population and retention has been excellent. APSALS has completed data collection for Wave 6 of the study, with 84% of the original adolescent cohort completing surveys. Results were presented at the NDARC symposium and APSAD.

Results published in 2016 include:

- A paper in *Psychological Medicine* which showed that parental supply of alcohol to adolescents was associated with an increased risk of drinking, but not bingeing. These parentally-supplied children

Thu Vuong's seminal PHD work comparing compulsory drug treatment centres with voluntary community based methadone maintenance treatment (MMT) in Vietnam and the Asia Pacific region has produced conclusive evidence on MMT's superior clinical and cost effectiveness leading to a 10 fold increase in investment in MMT in Vietnam since 2014.



An investigation into methamphetamine related psychosis has determined the need for better early detection and treatment

also consumed fewer drinks on a typical drinking occasion. Adolescents supplied alcohol from non-parental sources had greater odds of drinking and bingeing.

- A paper in Pediatrics which showed that parents who perceived that their child engaged with substance-using peers were more likely to subsequently supply sips of alcohol. Parents may believe supply of a small quantity of alcohol will protect their child from unsupervised alcohol use with peers. It is also possible that parental perception of peer substance use may result in parents believing that this is a normative behaviour for their child's age group, and in turn that supply is also normative.

Additional funding has been granted from Australian Rotary Health for 2017, allowing the researchers to continue data collection and analysis beyond the school years. The APSALS team are collaborating with other researchers from NDARC to examine the development of alcohol abuse and dependence symptoms among the APSALS cohort. The team has also formed a collaboration with a national team examining the cohort's use of tobacco and e-cigarettes.

Young Australians Alcohol Reporting System (YAARS)

The YAARS study received funding from the Australian Department of Health and approval for national data collection. The study is led by researchers at the NDRI, with the NSW arm lead by Professor Richard Mattick, Alexandra Aiken and A/Professor Lucinda Burns. The research is designed to identify high-risk drinking practices and alcohol-related harms among risky-drinking young Australians. Data collection is continuing into 2017.

Results from the 2013 wave of data collection have been published:

- Two papers in the ANZJPH. The first study found that age- or intoxication-based restrictions to alcohol were commonly bypassed by this risky drinking group of young people. Half (49%) the sample who were younger than the Australian legal purchase age reported it was 'easy' to buy alcohol from bottle stores, and 75% of those who had tried to purchase alcohol said it was 'easy' the last time they tried. Half of those under 18, who had attempted to enter a licensed venue, reported they did not have their identification checked last time they gained access.
- The second study found that this heavy-drinking population is experiencing substantial acute and potentially chronic consequences from their drinking. Males consumed a mean of 17 and females 14 standard drinks, and 86% experienced at least one alcohol-related consequence during this session. More than a quarter of the face-to-face sample had Alcohol Use Disorders Identification Test (AUDIT) scores indicative of alcohol dependence.
- A paper in *Substance Use and Misuse* examining pre-drinking behaviours of young heavy drinkers found that almost half the sample pre-drank, most commonly at a friend's house. Those aged 18–19 were more likely to pre-drink, and did so at higher quantities compared to their younger counterparts.

Drug policy

Policy development

Dr Monica Barratt contributed to the VAADA (Victorian Alcohol and Drug Association) position report on **New Psychoactive Substances**, the Victorian Greens

DPMP PhD student Vivienne Moxham-Hall is working on an Australian Research Council Discovery Project on the deterrent effects of Australian policing strategies with Dr Caitlin Hughes, Professor Alison Ritter, Professor Robert MacCoun and Dr Don Weatherburn. Vivienne's PhD project is measuring illicit drug policies and their impacts and is supervised by Professor Alison Ritter and Dr Caitlin Hughes.



Professor Anthony Shakeshaft heads up NDARC's program of research evaluating community interventions aimed at reducing the disproportionately high burden of alcohol consumption in Aboriginal communities. He is pictured right with postgraduate student Alice Munro, who along with fellow postgraduate student Doug James, has been leading a partnership between NDARC and three Aboriginal residential rehabilitation services.



research paper on **Pill Testing**, and the NSW Cross-parliamentary committee's 2016 **Harm Minimisation Summit**. In 2016, she regularly engaged with the public through a variety of media outlets. Topics included new psychoactive substances, testing drugs for monitoring and harm reduction, and internet drug markets.

Dr Barratt, in collaboration with Judith Aldridge, edited the first special issue about the new phenomenon of **drug cryptomarkets** in the International Journal of Drug Policy (IJDP), published in September 2016. Barratt and Aldridge's editorial, *Everything you always wanted to know about drug cryptomarkets*, attracted the highest number of downloads from IJDP that month, and was also rewritten for mainstream publication.

Dr Monica Barratt was lead CI of a successful NHMRC Project Grant *Drugs on the darknet: Assessing the global health risks of a rapidly expanding market,* a three-year project beginning in 2017.

Policing

In 2016 Dr Caitlin Hughes led an ARC Discovery Project into the **deterrent effects of street-level drug law enforcement**. The project, conducted in collaboration with DPMP's Alison Ritter and Vivienne Moxham-Hall and Professor Robert MacCoun from Stanford Law University and Dr Don Weatherburn from NSW Bureau of Crime Statistics and Research, is the first in Australia to assess the **capacity of police to deter or prevent drug use** and supply at outdoor music festivals and licensed entertainment precincts.

The first results from the study were presented in 2016 at several conferences including the International Society for the Study of Drug Policy conference and selected for a special issue of the International Journal of Drug Policy. The findings showed police presence at music festivals reduced drug offending by an average of 4.6 percentage points (relative to no police presence), but that two-thirds of festival participants continued to use or supply drugs irrespective of police presence (Hughes et al, in press). The study also showed that some policing methods had counterproductive impact. Notably, given police use of drug detection dogs at festivals, personal possession or carrying of drugs *into* festival grounds reduced, but buying of drugs within festival grounds increased.

Dr Caitlin Hughes continued her research into **Australian drug laws**. In February 2016, she gave invited presentations at the Michigan State University Law Conference and at the RAND Drug Policy Research Centre in Santa Monica, USA. She was also one of three key presenters at a Parliamentary Drug Summit in Canberra in March 2016, speaking on components of good drug policy and the **roles of drug laws in facilitating or impeding good drug policy outcomes**. Preceding the drug summit Dr Hughes also led a DPMP briefing paper into decriminalisation of illicit drugs in Australia. This briefing paper written with Professor Alison Ritter, Dr Jenny Chalmers, Dr Kari Lancaster, Dr Monica Barratt and Ms Vivienne Moxham-Hall summarised the research evidence on decriminalisation and Australia's current positon. This noted that despite a national emphasis on using diversionary programs to provide treatment instead of sanction many drug users in Australia continue to obtain criminal records for drug use and possession alone, and that removal of criminal penalties by law for drug use and possession in Australia would be a more effective and humane response.

Dr Kari Lancaster led research that analysed the impact and effects of laws which prevent people who use drugs from distributing sterile injecting equipment in Australia. In a detailed analysis of how these laws operate, Dr Lancaster argued that laws prohibiting peer distribution have several unintended and unanticipated consequences and made a case for removing the prohibition on peer distribution. Dr Lancaster argued

PhD student Katrina Prior is currently completing her thesis on substance use, depression and social phobia using data from the activate study. Activate is a randomised controlled trial designed to improve the outcomes for people in drug treatment who also have major depression – which is very common among people dependent upon heroin and methamphetamine



that the laws hinder the distribution of sterile injecting equipment and were based upon outmoded and stereotypical assumptions about people who inject drugs, including the notion that they were irresponsible and untrustworthy citizens who could not be trusted to play a central role in preventing the transmission of blood borne viruses such as hepatitis C.

This research attracted the immediate attention of policymakers, lawmakers and advocacy groups. The first jurisdiction to respond was the Australian Capital Territory. In early June 2016, the **ACT parliament voted to lift the ban on peer distribution**. These reforms were a direct result of work undertaken by Dr Kari Lancaster and her colleagues Professor Carla Treloar (CSRH, UNSW) and Dr Kate Seear (Faculty of Law, Monash University). On the basis of this research, Dr Lancaster was invited to present in July 2015 at a specially convened roundtable in the ACT. The research team was invited to participate in extended discussions with the ACT government and to advise on the nature and extent of suggested reforms. In May 2016, the ACT introduced a Bill proposing to lift the ban on peer distribution altogether. The law was passed on 9 June 2016 and came into effect on 29 June 2016.

For a paper published in 2015 to have already resulted in legislative change in one jurisdiction, with promising signs in others, is a testament to Dr Lancaster's ability to combine objective high quality research with direct translational activities that result in policy change.

Dr Lancaster's doctoral thesis, entitled *Problematising the 'evidence-based' drug policy paradigm* (completed in 2016) was the first substantial work internationally to explore and critique the dynamics of 'evidence-based' policy in the drug policy field, using a multiple-case qualitative design and drawing on a range of critical perspectives (including Bacchi's Foucauldian-influenced approach, social construction theory, poststructuralism, feminist theory, and science and technology studies). This work was supervised by Professor Alison Ritter (DPMP) and Professor Carla Treloar (CSRH, UNSW).

In May 2016, the 10th Annual Conference of the International Society for the Study of Drug Policy (ISSDP) convened by the Drug Policy Modelling Program was held in Sydney.

In February and March 2016 members of the DPMP team were invited as experts to participate in a series of Drug Law Reform Roundtables, hosted by Senator Richard Di Natale. Dr Kari Lancaster attended the Roundtable in Sydney on 19 February, which included not only discussions at the federal level, but also a session on reforms to NSW Drug Policy including drug driving laws, drug detection dogs, and pill testing. These roundtable activities culminated in a national roundtable event in Canberra.

Drug use outcomes

Dr Wendy Swift commenced a **RADAR grant** after receiving NHMRC Project grant in 2015 and has started interviewing participants. She continued to co-supervise Liz Whittaker's doctoral thesis which was submitted by publication. Dr Swift is conducting the first analysis to date of **age-period-cohort effects of cannabis use**, using the Australian NHS data from 2001 to 2013. The draft results will be available in early 2017.

Dr Swift published the first Australian analysis on the **characteristics of DSM5 alcohol use disorder** and found that differing adolescent risk profiles predicted differing levels of disorder severity in young adulthood. She also co-authored papers on longitudinal trends in alcohol use, which received media coverage.

Mental health

Mental Health

Professor Louisa Degenhardt and Dr Emily Stockings continue their collaboration 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). In January 2016, Dr Stockings began an NHMRC Early Career Fellowship (2016-2020; supervised by Professor Degenhardt) to examine the predictors, prevention and treatment of externalising behaviours in young people.

Professor Degenhardt and Dr Stockings, with Professor Wayne Hall (University of Queensland), were commissioned editors of a **major three-part series on *Substance Use in Young People***, which was published in early 2016 in *The Lancet Psychiatry*. The series examined the epidemiology (Professor Degenhardt), health and social outcomes (Professor Hall), prevention and treatment of substance use (Dr Stockings) in young people, and received significant global attention.

Professor Degenhardt and Dr Stockings, in collaboration with Professors Wayne Hall (University of Queensland), John Strang, and John Marsden (both King's College London) were also authors of the ***Illicit Drug Dependence*** Chapter of the *Mental, Neurological and Substance Use Disorders Volume* of *Disease Control Priorities 3rd Edition* (DCP3), which was published by The World Bank in March 2016.

Dr Stockings gave two oral presentations at the *II International Congress on Clinical and Health Psychology in Children and Adolescents* in Barcelona (17-20 November). She also led a commissioned report by the *Australian Drug Foundation* on the efficacy of **multi-setting community-based interventions** to prevent alcohol and other drug related harms. Dr Stockings continues to be actively involved in the peer review community, and was awarded a Publons *Sentinels of Science Award* for being in the top 10% of reviewers in the field of medicine globally for 2016. She was recently appointed as a Science Assessor for the NHMRC Development Grants peer review process.

The NHMRC-funded Climate Schools Combined study moved into its fourth year in 2016. The Chief Investigators on 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 problems** and is being conducted with approximately 6,500 students from 71 schools in NSW, QLD and WA. Louise Birrell and Brad Shaw are co-ordinating the trial from NDARC and in 2016 the 36-month follow-up assessments were completed across all participating schools. The trial protocol and baseline data were presented at national and international meetings this year and outcomes will be available in 2017.

Dr Katrina Champion was awarded an NHMRC Early Career Fellowship to look at *A multiple health behaviour approach to prevent common and emerging risk factors for chronic disease: development and evaluation of a novel online intervention for Australian adolescents*. She will spend two years with Professor Bonnie Spring at Northwestern, Chicago, USA. Professor Spring is a world leader in **multiple behaviour change**.

Sarah Larney's work on OST in prisons identified barriers to retaining patients in care on return to the community.

In 2016, Dr Kari Lancaster, Professor Alison Ritter and Dr Kate Seear (Faculty of Law, Monash University) secured funding to work with the Queensland Mental Health Commission to examine ways of reducing stigma and discrimination for people experiencing problematic alcohol and other drug use. This project includes a full legislative review of the stigmatising and discriminatory potential of all Queensland laws pertaining to alcohol and other drug use, qualitative interviews throughout Queensland, and a review of the literature relating to stigma-reducing interventions across settings. The project aims to examine ways of reducing stigma and discrimination for people experiencing problematic alcohol and other drug use at both the individual and structural levels.

Psychosis

Consultant clinical psychiatrist Julia Lappin is continuing her part-time position designed to strengthen the centre's collaboration with the UNSW School of Psychiatry and South East Sydney Local Health district (SESLHD). Dr Lappin's research focus includes an investigation into **methamphetamine-related psychosis**. A paper on the need for better early detection and treatment has been published in *Addiction*. A second paper on the **increased**

The administrative and support staff is crucial to the smooth running of more than 100 projects, scholarships and fellowships worth over $68 million. Pictured is Mrs Swati Srivastava, CPA, who is NDARC's finance manager and was acting operations manager in 2016 while Ms Karen Hill was on maternity leave.



Dr Kari Lancaster's PhD, completed in 2016, looked at the role of evidence in the construction of drug policy. Since graduation a significant focus of her work has been on marginalisation and stigmatisation of people who use drugs. She led important research that analysed the impact and effects of laws which prevent people who use drugs distributing sterile injecting equipment in Australia. In a detailed analysis of how these laws operate, Kari argued that laws prohibiting peer distribution have several unintended and unanticipated consequences and made a case for removing the prohibition on peer distribution which was subsequently adopted by the ACT government.



prevalence of self-reported psychotic illness predicted by crystal methamphetamine use has been published in the International Journal of Drug Policy.

Dr Lappin is collaborating on a data linkage project investigating the comorbidity of mental health and substance use, and supervising Cath Foley's doctorate, looking at prevalence of **help seeking for comorbidity** across NSW mental health and drug and alcohol services. Dr Lappin is also an investigator on a grant application for an NHMRC Centre for Research Excellence in the physical health of young people with psychosis.

Indigenous

Drug and alcohol harms in remote communities

Preventing and treating drug and alcohol harms in remote communities: Professor Anthony Shakeshaft, Alice Munro, Dr Courtney Breen and Mieke Snijder with collaborators Dr Julaine Allan (Lyndon Community), Far West Medicare Local, Bourke Alcohol Working Group (BAWG), Condobolin Alcohol Working Group, Lake Cargelligo Alcohol Working Group, Brewarrina Alcohol Working Group and Orana Haven Corporation Drug and Alcohol Rehabilitation Centre. Funding for this project is from Far West Medicare Local. It commenced in March 2014 and is expected to be completed by August 2017.

This project is designed to develop knowledge about **effective models of partnership** between rural Aboriginal communities and researchers across a range of community-led programs delivered from 2012-2016, which were designed to reduce drug and alcohol-related harm. The three models of researcher-community partnerships that are explored are:

The impacts of a community-led radio drug and alcohol advertising campaign in Bourke NSW – where a partnership with researchers was established after the intervention was developed and delivered;

The impacts of Breaking the Cycle funding for drug and alcohol prevention and reduction interventions from 2012-2014 on drug and alcohol related crime and hospital outcomes across four remote NSW communities, where the partnership with researcher was established during the design and implementation of the interventions; and

A review of five years of client intake data and the model of care of a remote Aboriginal residential rehabilitation service in remote NSW, where the partnership with researchers was developed prior to the implementation of changes to the program.

Evaluation of the Central Australian Youth Link Up Service (CAYLUS): Youth development programs in remote Indigenous communities have been positively associated with crime prevention, juvenile recidivism, self-harm and other risky behaviours. Youth development programs have also played a central role in the response to volatile substance misuse, including petrol sniffing, in Central Australia. Dr Christina Marel has been working with the Central Australian Youth Link Up Service (CAYLUS) to establish a rolling **monitoring and evaluation process for the activities** CAYLUS runs through the CAYLUS Youth Worker Brokerage Program, specifically examining the impact of its programs and activities on local level community crime and petrol sniffing.

With A/Professor Katherine Mills, Professor Maree Teesson, Dr Fiona Shand and Professor Anthony Shakeshaft, Dr Marel partnered with CAYLUS to complete the first stage of the evaluation in early 2016. The findings illustrated that youth programs have strong support within the sample communities. Most respondents (>90%) indicated that youth programs have a positive impact, help keep young people from sniffing, drinking alcohol, and out of trouble.

Stage 2 of the evaluation of the CAYLUS Youth Worker Brokerage program commenced in June 2016, and will be ongoing until 2019. In stage 2, CREMS will continue to provide assistance to CAYLUS in maintaining a rolling monitoring and evaluation process for the activities it runs through the CAYLUS Youth Worker Brokerage. The project will examine the ongoing impact and perceived impact of programs and activities supported by this brokerage on local level community crime (particularly crime involving young people aged <25 years) and petrol sniffing.

Culturally appropriate drug prevention resources

New project funding was awarded by the Australian Government Department of Health in July 2016 to develop **culturally appropriate, school-based drug prevention resources** for young Aboriginal

and Torres Strait Islander people. The project will be conducted in partnership with Gilimbaa, an Indigenous Creative Agency, and in collaboration with Indigenous communities, school staff and young people. Mieke Snijder joined the team as project co-ordinator, and Briana Lees as Research Assistant on the project. The project team includes Dr Lexine Stapinski, Ms Mieke Snijder, Dr Nicola Newton, A/Professor James Ward, Dr Cath Chapman, Dr Katrina Champion, A/Professor Frances Kay-Lambkin, and Professor Maree Teesson, in collaboration with SAMHRI and NDRI.

Mieke Snijder presented her project at the International Union for Health Promotion and Education (IUPHE) international health promotion conference in Curitiba in Brazil. The talk was titled *The development and implementation of a community-based project with Aboriginal Australians.*

The project is complete and the interim report has been submitting to the funding body. Early findings are promising, with reductions in the **number of Aboriginal people involved in alcohol related crimes** reduced in two of the three communities and particularly, the number of Aboriginal victims of alcohol related crimes reducing for two out of the three communities. In each community, there were positive improvements in the communities' perceptions of alcohol related harms, safety and empowerment after the project had commenced in each community. These results were presented in the three project communities, where it was very well received. In Griffith the then-Federal Health Minister, the Hon. Susan Ley, attended the launch of the early findings and in Narrandera a local councillor attended and expressed commitment to continuing the activities in her community.

Health economics

2016 saw the application of health economics across a number of areas in the drugs and alcohol field.

Social costs and cost effectiveness

Decision making can be improved with evidence of effectiveness and efficiency and health economics can assist. Dr Marian Shanahan, Professor Ritter and Ms Dami Sotade conducted a study estimating **the social costs of tobacco smoking** in NSW on behalf of the SAX Institute. The social costs included health care costs, lost productivity, fires due to smoking, and taxation, as well as the intangible value of the loss of life attributable to smoking, were estimated in a report recently finalised.

Harms due to methamphetamine have generated considerable recent attention. Dr Shanahan and Dr Sharlene Kaye were key contributors to a NDRI study which assessed **social and economic costs of methamphetamine use**. This study documented the costs associated with the police and criminal justice systems, premature mortality, hospital admissions, treatment for dependence and lost productivity attributable to methamphetamine.

Evidence from cost effectiveness analysis is very valuable in providing information on the cost-effective allocation of resources for the greatest benefit for the population. Dr Shanahan and Dr Hughes completed an NDLERF funded project assessing the effectiveness and cost effectiveness of **alternate policing strategies for cannabis offences**. In addition to completing the report, Dr Shanahan presented a paper at the International Society for the Study of Drug policy conference in Sydney. Along with colleagues from the University of Sydney, effectiveness and cost-effectiveness research is ongoing on NHMRC funded randomised controlled trial of Sativex for cannabis withdrawal.

Valuable information for planning can be obtained through the conduct of economic costing of interventions. A large collaborative group from a number of NSW local health districts including SESLHD, St Vincent's, HNELHD, SYDLHD; from NDRI and NUAA received funding from the NSW Health Translational Research Grants Scheme for the **Implementation and evaluation of take-home naloxone** for opioid overdose prevention in Drug and Alcohol treatment and Needle Syringe Programs attendees. A key part of this study will be to document the implementation and operating costs of the program and to assess individuals' willingness to pay for naloxone.

Dr Thu Vuong joined NDARC to commence her PhD project in 2012 and completed it in March 2016. Her doctoral project compares the **cost-effectiveness of centre-based compulsory drug rehabilitation** with community-based methadone maintenance treatment in her home country of Vietnam. The research was funded by the Atlantic Philanthropies, conducted in collaboration with Hanoi Medical University and the not-for-profit organisation FHI360 Vietnam, as well as the University of Adelaide. (for more details of this project see international page 30)

Dr Vuong's doctoral research has provided 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. Specifically, in collaboration with the research partners in Vietnam, Dr Vuong presented her doctoral research findings in three meetings: with the

The number of Aboriginal people involved in alcohol related crimes reduced in two of the three communities and particularly, the number of Aboriginal victims of alcohol related crimes also reduced for two out of the three communities.

local government of Hai Phong City where the research was conducted; with the national government ministries via the Advisory Board to the Deputy Prime Minister; and with the representatives of the international organisations and civil society groups who work with the government of Vietnam on drug abuse treatment and HIV treatment. Dr Vuong was the first author of a 60-page report in English and Vietnamese for the government of Vietnam.

The outcome of the engagement and dissemination effort was a letter from the Chairman of the Office of the Government giving authorisation to the Advisory Board to disseminate the findings of the research via a variety of communication media, including via official visits to the provinces and via the official website of the Office of the Government 'Tieng Chuong' (The Bell).

Since her PhD award dissertation was passed in June 2016 without amendment, Dr Vuong has published two papers on her results (one in Drug and Alcohol Dependence and the other in Harm Reduction Journal).

Criminal justice system

Opioid treatment and harm reduction

Dr Sarah Larney continued her work on **opioid treatment and harm reduction in the criminal justice system**. She completed a mixed-methods study on opioid substitution therapy in prisons, examining the impacts of structural changes to treatment programs on patient outcomes. This work identified patient- and program-level barriers to retaining patients in care as they transition from prison to the community.

Dr Larney also commenced a feasibility and acceptability study of take-home naloxone for people released from prison; this work will feed into the development of an implementation pathway for take-home naloxone for NSW prisoners. Dr Larney presented the findings of her program of work at the United Nations Office on Drugs and Crime in Vienna

International

Doctoral Research

Two of our PhD students have completed or are completing significant projects in the international arena spanning Vietnam and Iran.

Dr Thu Vuong, a postdoctoral research student at the Drug Policy Modelling Program, supervised by Alison Ritter and Marian Shanahan, was awarded her PhD in July for her ground breaking work comparing **compulsory drug treatment centres in Vietnam** with voluntary community based methadone maintenance treatment. There are 2,000 compulsory centres in Asia and 121 in Vietnam, which are widely considered to constitute a violation of human rights. The study provided conclusive evidence that MMT treatment is more clinically effective in reducing drug use, is cheaper to deliver than CCT and three times cheaper than compulsory centres. The results have been presented to numerous Vietnamese government agencies and investment in MMT has increased tenfold to US$1,500,000 over the past two years. The work has been presented at the International studies of Drug Policy and published in *Drug and Alcohol Dependence*.

Methamphetamine use disorder is a serious health concern among opioid-dependent and methadone patients. For example, **female methadone patients with methamphetamine use disorder constitute a large population of illicit drug users in Iran**. Barriers to treatment are extensive and the psychological treatments available are expensive and difficult to access. PhD student **Zahra Alam-Mehrjerdi**, under the supervision of Professor Kate Dolan, designed a multi-centre randomised control trial of a brief cognitive-behavioural treatment, designed by Amanda Baker and colleagues in Australia, to reduce methamphetamine use disorder among a group of methadone-maintained women in Tehran, Iran. The study findings indicated that the Australian model of brief CBT was easily used in an Iranian context. Furthermore, the treatment was feasible and effective for women in methadone treatment services in Iran. The PhD is due for completion in 2017 and papers have been published in *Addiction and Health* and the *Journal of Substance Use*. The work was presented at the Iranian National Addiction Congress and the NDARC Annual Symposium where it won the People's Choice poster prize.

Global Burden of Disease and Systematic Reviews

A major national and internal 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 substance use and mental disorders in collaboration with the University of Queensland as part of the Core Analytic team for GBD. Annual updates of the GBD work are published each year in *The Lancet* and we will publish summaries of the substance use and mental disorders work in *Lancet Psychiatry and JAMA Psychiatry in 2017.*

Work is underway on **global systematic reviews** to estimate the number of people who inject drugs, the prevalence of HIV and viral hepatitis infection within this population, and coverage of HIV prevention interventions for people who inject drugs. Previous estimates have been widely used by the United Nations and World Health Organization, governments, and non-government organisations to plan service provision, but these are now a decade old and contemporary data are urgently needed. First results from this study will be available in mid-2017.



Current and Completed Projects

Current projects

Treatment and intervention

An evaluation of the New South Wales Involuntary Drug and Alcohol Treatment (IDAT) Program

NDARC staff: Professor Alison Ritter, Dr Marian Shanahan, Dr Sarah Larney, Mrs Thu Vuong

Collaborators: Dr Mark Montebello (Drug and Alcohol Service), Professor Wayne Hall (University of Queensland)

Project summary: The IDAT Program aims to "provide short-term care, with an involuntary supervised withdrawal component, to protect the health and safety of people with severe substance dependence who have experienced, or are at risk of, serious harm and whose decision making capacity is considered to be compromised due to their substance use". This project aims to determine the effect of the IDAT program on patient outcomes in comparison to a control group.

Funding: NSW Ministry of Health

Date commenced: 05/2016

Expected date of completion: 11/2018

Project website: https://ndarc.med.unsw.edu.au/project/evaluation-new-south-wales-involuntary-drug-and-alcohol-treatment-idat-program

An RCT of cannabinoid replacement therapy (Sativex®) for the management of treatment-resistant cannabis dependent patients

NDARC staff: Professor Jan Copeland, Dr Marian Shanahan

Other investigators: This research is being led by Associate Professor Nicholas Lintzeris (University of Sydney). Dr David Allsop (University of Sydney), Professor Iain McGregor (University of Sydney), Associate Professor Adrian Dunlop (Hunter New England Local Health District), Associate Professor Raimondo Bruno (University of Tasmania)

Project summary: This project will conduct the first-ever outpatient RCT to test the efficacy, safety and cost-effectiveness of the pharmaceutical cannabinoid nabiximols (Sativex®) for treating cannabis dependence. It builds upon recent work by this team demonstrating the safety and efficacy of Sativex in treating inpatient cannabis withdrawal.

Funding: NHMRC Project Grant

Date commenced: 01/2015

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/rct-cannabinoid-replacement-therapy-sativexr-management-treatment-resistant-cannabis

Cannabis and cannabinoids for medicinal purposes: Reviewing the evidence

NDARC staff: Professor Louisa Degenhardt, Professor Michael Farrell, Dr Suzanne Nielsen, Professor Jan Copeland, Dr Peter Gates

Other investigators: Professor Wayne Hall (University of Queensland), Professor Nicholas Buckley (University of Sydney), Dr Megan Weier (University of Queensland)

Collaborators: Dr Bridin Murnion (University of Sydney), Professor John Pollard (University of Sydney), Professor Meera Agar (UTS), Associate Professor Melanie Lovell (University of Sydney)

Project summary: This project will review the evidence for the medicinal use of cannabis and cannabinoid products for a number of key medical conditions. We will examine the evidence base for delta-9-tetrahydrocannabinol (THC) and cannabidiol (CBD) in particular, alone or in combination, in the major conditions for which cannabinoids have been advocated with a focus on assessments in either RCTs or observational studies.

Funding: Health Products Regulation Group, Commonwealth Department of Health

Date commenced: 10/2016

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/cannabis-and-cannabinoids-medicinal-purposes-reviewing-evidence

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

NDARC staff: Professor Maree Teesson, Associate Professor Katherine Mills, Associate Professor Frances Kay-Lambkin, Dr Cath Chapman, Associate Professor Tim Slade, Professor Michael Farrell, Associate Professor Nicola Newton, Dr Joanne Ross, Dr Wendy Swift, Dr Sharlene Kaye, Dr Emma Barrett, Dr Christina Marel, Dr Matthew Sunderland, Dr Lexine Stapinski, Dr Louise Mewton, Dr Louise Thornton, Ms Sally Hunt, Dr Tonelle Handley, Ms Erin Kelly, Dr Katrina Champion, Ms Sonja Memedovic, Ms Kathryn Woodcock, Ms Katrina Prior, Ms Louise Birrell, Mr Brad Shaw, Miss Natasha Nair, Miss Ivana Kihas, Miss Siobhan Lawler

Collaborators: Professor Amanda Baker (University of Newcastle), Professor Paul Haber (Royal Prince Alfred Hospital), Associate Professor Andrew Baillie (Macquarie University), Professor Helen Christensen (UNSW), Professor Max Birchwood (University of Birmingham, UK), Professor Bonnie Spring (Northwestern University, USA), Professor Kathleen Brady (Medical University of South Carolina, USA), Ms Leonie Manns (consumer advocate), Mr Trevor Hazell (Hunter Institute of Mental Health), Professor Robyn Richmond (UNSW), Professor Brian Kelly (University of Newcastle), Dr Brian Hitsman (Northwestern University, USA), A/Prof Leanne Hides (Queensland University of Technology), Dr Pete Kelly (University of Wollongong), Dr Glenys Dore (University of Sydney), Dr Ali Beck (University of Newcastle), Jenny Geddes (University of Newcastle), Miriam Forbes (Macquarie University), Warren Logge (Macquarie University), Mikki Subotic (Macquarie University), Kris Tulloch (Macquarie University), Dr Erica Crome (Macquarie University), Dr Kirsten Morley (Sydney University)

Project summary: Mental health and substance use disorders account for more years of life lost due to disability than any other disorders. These 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. Our Centre of Research Excellence (CRE) in Mental Health and Substance Use aims to build much needed research capacity in this area.

Funding: National Health and Medical Research Council

Date commenced: 11/2012

Expected date of completion: 10/2017

Project website: https://ndarc.med.unsw.edu.au/project/centre-research-excellence-mental-health-and-substance-use-translating-innovative-prevention

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

NDARC staff: Professor Louisa Degenhardt, Dr Emily Stockings

Collaborators: Professor Harvey Whiteford (University of Queensland), Professor Jane Pirkis (University of Melbourne), Professor Cathy Mihalopoulos (Deakin University), Professor Kathy Eagar (University of Wollongong), Professor Gavin Andrews (University of New South Wales), Professor Brian Head (University of Queensland), Professor Jane Gunn (University of Melbourne), Professor Wayne Hall (University of Queensland), Professor George Patton (University of Melbourne)

Project summary: The Centre of Research Excellence in Mental Health Systems Improvement (CREMSI) 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 Shared Grant

Date commenced: 11/2012

Expected date of completion: 10/2017

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

Cytisine versus varenicline for smoking cessation

NDARC staff: Dr Ryan Courtney, Professor Michael Farrell, Professor Richard Mattick, Professor Anthony Shakeshaft

Collaborators: A/Prof Natalie Walker (University of Auckland), Dr Hayden McRobbie (Queen Mary University London), Dr Coral Gartner (University of Queensland), Prof Mohammad Siahpush (University of Nebraska Medical Center), Dr Dennis Petrie (University of Melbourne), A/Prof Christine Paul (University of Newcastle), Prof Robyn Richmond (University of New South Wales), A/Prof Stuart Ferguson (University of Tasmania), Prof Piotr Tutka (University of Rzeszow), Prof Christopher Doran (Central Queensland University), Dr Colin Mendelsohn (University of New South Wales), Prof Nicholas Zwar (University of New South Wales), Prof Robert West (University College London), Prof Wayne Hall (University of Queensland), Quitlines nationally

Project summary: Tobacco smoking is a leading cause of preventable disease and death. Smoking rates are higher among disadvantaged Australians and facilitating smoking cessation in this group is a national health priority. Given that no trials have compared cytisine to varenicline, the aim of this study is to conduct a world-first CONSORT-adherent, pragmatic, single-blind, non-inferiority randomised controlled trial (RCT).

Funding: NHMRC Project Grant

Date commenced: 2016

Expected date of completion: 12/2019

Project website: https://ndarc.med.unsw.edu.au/project/cytisine-versus-varenicline-smoking-cessation

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

NDARC staff: Professor Louisa Degenhardt, Professor Michael Farrell, Professor Richard Mattick, Associate Professor Lucinda Burns, Associate Professor Timothy Dobbins, Dr Natasa Gisev, Dr Jo Kimber, Dr Sarah Larney, Dr Marian Shanahan

Collaborators: Dr Don Weatherburn (NSW Bureau of Crime Statistics and Research), Professor Tony Butler (The Kirby Institute, UNSW), Dr Amy Gibson (Centre for Big Data Research in Health, UNSW)

Project summary: This study will quantify the impact of opioid substitution therapy (OST; methadone or buprenorphine) on two important outcomes for opioid dependent prisoners: mortality, particularly in the post-release period and subsequent criminal activity. Using linked data, the study will have almost 600,000 person-years of follow-up over 22 years.

Funding: Australian Institute of Criminology through the Criminology Research Grants Program; National Health and Medical Research Council

Date commenced: 01/2011

Expected date of completion: Ongoing

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

Electronic Clinical Pathways to Service Excellence (eCliPSE): NSW Health Online Mental Health and Substance Use Comorbidity Portal

NDARC staff: Associate Professor Frances Kay-Lambkin, Ms Sally Hunt, Professor Maree Teesson, Dr Louise Thornton, Associate Professor Katherine Mills

Project summary: In consultation with NSW Health, this project is aims to develop an online portal to improve access to evidence based e-Health treatment packages for co-occurring mental health and substance use problems.

Funding: NSW Health

Date commenced: 08/2015

Expected date of completion: 08/2017

Project website: https://ndarc.med.unsw.edu.au/project/electronic-clinical-pathways-service-excellence-eclipse-nsw-health-online-mental-health-and

Evaluation of the CAYLUS youth worker brokerage program

NDARC staff: Dr Christina Marel, Professor Maree Teesson, Associate Professor Katherine Mills, Professor Anthony Shakeshaft

Collaborators: Dr Fiona Shand (Black Dog Institute)

Project summary: 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.

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

Date commenced: 04/2014

Expected date of completion: 06/2019

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

Evaluation of the Supporting pregnant women who use alcohol or other drugs

NDARC staff: Dr Courtney Breen, Mrs Toni Karlsson, Associate Professor Lucinda Burns

Project summary: Given the harms associated with substance use in pregnancy largely occur in women who are substance dependent it is timely that work now be undertaken to minimise the harms in this group.

Funding: Australian Government, Substance Misuse Prevention and Service Improvement Fund

Date commenced: 11/2016

Expected date of completion: 02/2017

Project website: https://ndarc.med.unsw.edu.au/project/evaluation-supporting-pregnant-women-who-use-alcohol-or-other-drugs

Expanding the capacity of community pharmacy to respond to pharmaceutical opioid problems

NDARC staff: Dr Suzanne Nielsen, Dr Sarah Larney, Professor Louisa Degenhardt, Professor Michael Farrell

Project summary: Community naloxone supply has been successfully implemented in a range of international settings to address the rising rates of opioid overdose death. International pilot studies indicate an important role for pharmacists in these programs. To date, little work has examined the feasibility and willingness to provide these services in Australian community pharmacies.

Funding: Untied educational grant from Indivior

Date commenced: 07/2015

Expected date of completion: 06/2017

Project website: https://ndarc.med.unsw.edu.au/project/expanding-capacity-community-pharmacy-respond-pharmaceutical-opioid-problems

Integrated management pathways for alcohol and drug clients into treatment (IMPACT)

NDARC staff: Dr Marian Shanahan

Collaborators: This research is being led by Dr Nicolas Lintzeris (Drug and Alcohol Services, South Eastern Sydney Local Health District Central Clinical School, The University of Sydney) James Clarke (Drug and Alcohol Services, South Eastern Sydney Local Health District), Stephanie MacFarlane (Drug and Alcohol Services, South Eastern Sydney Local Health District), Dr Apo Demirkol (Drug and Alcohol Services, South Eastern Sydney Local Health District), Anthony Jackson (Drug and Alcohol Services, South Eastern Sydney Local Health District), Rachel Deacon (Drug and Alcohol Services, South Eastern Sydney Local Health District)

Project summary: This innovative, integrated care project was implemented in the South Eastern Sydney Local Health District to improve integration of services provided to those who are frequent attenders to the Emergency Department and have drug and alcohol use disorders.

Funding: South Eastern Sydney Local Health District

Date commenced: 01/2015

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/integrated-management-pathways-alcohol-and-drug-clients-treatment-impact

iTreAD Project (Internet Treatment for Alcohol and Depression)

NDARC staff: Associate Professor Frances Kay-Lambkin, Ms Jenny Geddes, Ms Sally Hunt, Professor Maree Teesson, Dr Mark Deady, Dr Louise Thornton

Collaborators: Professor Amanda Baker (Priority Research Centre for Translational Neuroscience and Mental Health, University of Newcastle), Professor Kathleen Brady (Dept. of Psychiatry and Behavioural Sciences, Medical University of South Carolina), Associate Professor Terry Lewin (Priority Research Centre for Translational Neurosceince and Mental Health, University of Newcastle), Professor Bonnie Spring (Department of Preventative Medicine, Northwestern University), Associate Professor Bridgette Bewick (Leeds Institute of Health Sciences, University of Leeds)

Project summary: 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: 08/2014

Expected date of completion: 02/2017

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

Knowledge, attitudes, feasibility and acceptability of take-home naloxone for people released from prison

NDARC staff: Dr Sarah Larney, Professor Michael Farrell, Professor Louisa Degenhardt, Dr Suzanne Nielsen

Collaborators: Justice Health and Forensic Mental Health Network

Project summary: Given the increasing distribution of naloxone directly to opioid dependent people, especially those at particular risk of overdose such as recently released prisoners, this work will focus on the potential for distribution of take-home naloxone to people leaving NSW prisons.

Funding: Indivior untied educational grant

Date commenced: 11/2015

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/knowledge-attitudes-feasibility-and-acceptability-take-home-naloxone-people-released-prison

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

NDARC staff: Professor Louisa Degenhardt, Dr Briony Larance, Dr Suzanne Nielsen, Dr Briony Larance, Ms Gabrielle Campbell

Project summary: This study examines the utilisation of opioid substitution therapy among a large community sample of chronic non-cancer pain patients receiving long-term opioid substitution therapy (OST). The study will examine current levels of OST and other primary healthcare utilisation among the sample; characteristics of current treatment settings and prescribers; perceptions of opioid dependence; current medication-control strategies currently being used in their treatment; and attitudes and barriers to OST.

Funding: Indivior

Date commenced: 03/2014

Expected date of completion: 2016

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

POINT Study (Pain and Opioids IN Treatment)

NDARC staff: Professor Louisa Degenhardt, Professor Richard Mattick, Dr Marian Shanahan, Dr Briony Larance, Dr Suzanne Nielsen, Miss Teleri Moore, Ms Gabrielle Campbell, Ms Courtney O'Donnell, Associate Professor Timothy Dobbins, Professor Wayne Hall, Professor Michael Farrell

Collaborators: A/Prof Raimondo Bruno (University of Tasmania), Prof Nicholas Lintzeris (University of Sydney; SESLHD), Prof Milton Cohen

Project summary: There has been a recent increase in the prescribing of pharmaceutical opioids to Chronic Non-Cancer Pain (CNCP) patients in Australia, which has led to increasing professional and public concern about the use and harms that may be related to such use. This study is the first in Australia to examine the patterns of prescribing for individual patients, and the outcomes for these patients in the longer term.

Funding: National Health and Medical Research Council

Date commenced: 01/2012

Expected date of completion: 12/2019

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

Randomised double-blind placebo-controlled study of lisdexamfetamine for the treatment of methamphetamine dependence

NDARC staff: Dr Nadine Ezard, Professor Kate Dolan

Other investigators: Andrew Dawson, Anthony Gill, Craig Rodgers, James Ward, Mark Montebello and Michael Farrell

Collaborators: Associate Professor Nicholas Lintzeris (University of Sydney), Associate Professor Robert Ali (The University of Adelaide), Associate Professor Adrian Dunlop (Hunter New England Local Health District), Professor Jason White (University of South Australia), Associate Professor Rebecca McKetin (Australian National University), Associate Professor Raimondo Bruno (University of Tasmania), Professor Andrew Carr (St Vincent's Centre for Applied Medical Research, Darlinghurst NSW)

Project summary: This randomised double-blind placebo-controlled study, led by St Vincent's Hospital Sydney, aims to examine the safety and efficacy of lisdexamfetamine in the treatment of adults with severe methamphetamine (MA) dependence.

Funding: NHMRC Project Grant

Date commenced: 2016

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/randomised-double-blind-placebo-controlled-study-lisdexamfetamine-treatment

Reducing tobacco smoking among low-SES smokers: A RCT to improve adherence with treatment, smoking cessation and health economic outcomes

NDARC staff: Dr Ryan Courtney, Ms Veronica Boland, Professor Richard Mattick, Professor Anthony Shakeshaft, Professor Michael Farrell

Collaborators: Professor Ron Borland (Cancer Council Victoria), Dr Coral Gartner (University of Queensland), Dr Hayden McRobbie (Queen Mary University London), Prof Mohammad Siahpush (University of Nebraska Medical Center), NSW Government/ Cancer Institute NSW, Quitlines, Department of Human Services

Project summary: Smoking cessation rates need to improve among low-socioeconomic status (low-SES) Australians if we are to reach a key national target as the health country: ≤ 9% smoking by 2020. This study will evaluate the cost-effectiveness of enhanced compliance instruction (via text message) as a strategy for increasing smoking cessation in low-SES smokers.

Funding: Cancer Institute NSW

Date commenced: 07/2015

Expected date of completion: 06/2017

Project website: http://ndarc.med.unsw.edu.au/project/reducing-tobacco-smoking-among-low-ses-smokers-rct-improve-adherence-treatment-smoking

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

NDARC staff: Mrs Zahra Alam-Mehrjerdi, Professor Kate Dolan

Collaborators: A/Professor Nadine Ezard (St Vincent's Drug & Alcohol Service, Sydney; Conjoint, UNSW Medicine), Prof. Azarakhsh Mokri (Iranian National Centre for Addiction Studies (INCAS); Tehran University of Medical Sciences (TUMS), Tehran, Iran), Dr. Pardis Nematollahi (Razi clinical pathology laboratory, Isfahan, Iran)

Project summary: Methadone maintenance treatment (MMT) can prevent heroin use among women but regular methamphetamine use has no pharmacological treatment and could result in treatment failure. This study aims to identify whether brief cognitive behavioural therapy (CBT) is effective in reducing regular methamphetemine use among a group of female co-users of heroin with methamphetamine.

Funding: NDARC

Date commenced: 02/2014

Expected date of completion: Ongoing

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

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

NDARC staff: Professor Maree Teesson, Dr Joanne Ross, Associate Professor Katherine Mills, Dr Sharlene Kaye, Ms Katrina Prior, Miss Ivana Kihas, Ms Joanne Cassar, Ms Philippa Ewer, Ms Sarah Masters, Ms Sonja Memedovic

Collaborators: Professor Carl Lejuez (University of Maryland), Professor Kathleen Brady (Medical University of South Carolina), Dr Glenys Dore (Northern Sydney Drug & Alcohol Service)

Project summary: On entry to drug and alcohol treatment approximately 25% of heroin users and 40% of methamphetamine users meet criteria for Major Depression, and this comorbidity has been linked to poorer treatment outcomes. One treatment approach that has shown promise among residential rehabilitation clients in the United States is Behavioural Activation Therapy for Depression. This study seeks to examine the feasibility of using this approach among depressed opioid replacement therapy and residential rehabilitation clients.

Funding: National Health and Medical Research Council

Date commenced: 02/2013

Expected date of completion: Ongoing

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

Patterns of alcohol and drug use

Binge drinking and the adolescent frontal lobe

NDARC staff: Professor Maree Teesson, Dr Louise Mewton

Collaborators: Professor Caroline Rae (NeuRA), Dr Lucette Cysique (NeuRA), Professor Roland Henry (Berkley USA)

Project summary: The available evidence supports the hypothesis that heavy adolescent alcohol consumption disrupts cortical development and promotes continued impulsive behaviour, alcohol abuse and risk of alcohol dependence. However, there are few studies of the brain particularly targeted to binge drinking effects in adolescent humans, and none examining the crucial development of connectivity in relation to cognition. Our preliminary data show significant cognitive and structural deficits in binge drinkers compared to controls, as well as gender specific responses to binge drinking.

Funding: NDARC seeking NHMRC funding

Date commenced: 2009

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/binge-drinking-and-the-adolescent-frontal-lobe

Cannabis Cohorts Research Consortium (CCRC)

NDARC staff: Dr Delyse Hutchinson, Professor Richard Mattick, Dr Edmund Silins, Professor Louisa Degenhardt, Associate Professor Tim Slade, Dr Wendy Swift, Professor Jan Copeland

Project summary: The Cannabis Cohorts Research Consortium (CCRC) is a collaboration that 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.

Funding: NDARC and NHMRC Project Grant

Date commenced: 2006

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/cannabis-cohort-research-consortium-ccrc-i26

Drugs and New Technologies (DNeT)

NDARC staff: Mr Joe Van Buskirk, Ms Amanda Roxburgh, Associate Professor Lucinda Burns

Collaborators: Dr Raimondo Bruno (University of Tasmania)

Project summary: The Drugs and New Technologies (DNeT) project aims to investigate substance availability on online drug marketplaces, as well as market characteristics and consumer activity. It also aims to monitor new drugs as they emerge, as well as internet forum discussion of these drugs.

Funding: Australian Government Department of Health and Ageing

Date commenced: 09/2012

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/drugs-and-new-technologies-dnet

Ecstasy and Related Drugs Reporting System (EDRS)

NDARC staff: Associate Professor Lucinda Burns, Dr Courtney Breen, Mrs Natasha Winsley, Mrs Jenny

Stafford, Ms Kerryn Butler, Ms Rachel Sutherland, Ms Elizabeth Whittaker

Collaborators: Paul Dietze (Macfarlane Burnet Institute for Medical Research and Public Health Burnet Institute), Arthur Truong (Macfarlane Burnet Institute for Medical Research and Public Health Burnet Institute), Raimondo Bruno (University of Tasmania), Allison Matthews (University of Tasmania), Rosa Alati (QADREC), Caroline Salom (QADREC), Simon Lenton (National Drug Research Institute), Marina Nelson (National Drug Research Institute)

Project summary: The Ecstasy and Related Drugs Reporting System (EDRS) is a national monitoring system for ecstasy and related drugs that is intended to identify emerging trends of local and national interest in the markets for these drugs. The EDRS is based on the Illicit Drug Reporting System methodology and consists of three components: interviews with regular ecstasy and psychostimulant users; interviews with key experts (professionals who have regular contact with regular recreational users through their work), and analysis and examination of indicator data sources related to ecstasy and other related drugs.

Funding: Australian Government Department of Health

Date commenced: 01/2003

Expected date of completion: Ongoing

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

Global Burden of Disease: Mental Disorders and Illicit Drug Use Expert Group

NDARC staff: Professor Louisa Degenhardt

Collaborators: Harvey Whiteford (Queensland Centre for Mental Health Research, University of Queensland), Janni Leung (Queensland Centre for Mental Health Research, University of Queensland), Fiona Charlson (Queensland Centre for Mental Health Research, University of Queensland), Alize Ferrari (Queensland Centre for Mental Health Research, University of Queensland), Holly Erskine (Queensland Centre for Mental Health Research, University of Queensland), Wayne Hall (University of Queensland), Damian Santomauro (Queensland Centre for Mental Health Research, University of Queensland), Christopher Murray (Institute for health Metrics and Evaluation, University of Washington, Seattle), Theo Vos (Institute for health Metrics and Evaluation, University of Washington, Seattle), Mohsen Naghavi (Institute for health Metrics and Evaluation, University of Washington, Seattle), Haidong Wang (Institute for health Metrics and Evaluation, University of Washington, Seattle), Alan Lopez (University of Melbourne)

Project summary: 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's role in the GBD study has been to calculate the levels of disease, injury and death associated with illicit drug use and dependence.

Funding: National Health and Medical Research Council (NHMRC) Fellowship

Date commenced: 07/2007

Expected date of completion: Ongoing

Project website: https://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, Professor Richard Mattick

Collaborators: Christopher Sufani (School of Psychology, UNSW)

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

Funding: Supported by an Australian Rotary Health Postdoctoral Fellowship

Date commenced: 02/2014

Expected date of completion: Ongoing

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

Illicit Drug Reporting System (IDRS)

NDARC staff: Associate Professor Lucinda Burns, Dr Courtney Breen, Mrs Natasha Winsley, Mrs Jenny Stafford, Mrs Toni Karlsson, Ms Kerryn Butler

Collaborators: Chris Moon (Department of Health and Community Services), Rosa Alati (Queensland Alcohol and Drug Research and Education Centre), Caroline Salom (Queensland Alcohol and Drug Research and Education Centre), Raimondo Bruno (University of Tasmania), Bethany Lusk (University of Tasmania), Amy Peacock (University of Tasmania), Simon Lenton (National Drug Research Institute), James Fetherston (National Drug Research Institute), Paul Dietze (Burnet Institute Victoria), Campbell Aitken (Burnet Institute Victoria), Amy Kirwan (Burnet Institute Victoria)

Project summary: The Illicit Drug Reporting System (IDRS) is a national illicit drug monitoring system intended to identify 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, 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.

Funding: Australian Government Department of Health

Date commenced: 01/1997

Expected date of completion: Ongoing

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

Improving GP prescribing of pharmaceutical opioids

NDARC staff: Professor Anthony Shakeshaft, Dr Briony Larance, Mrs Toni Karlsson, Professor Louisa Degenhardt

Collaborators: Dr Simon Holliday (Albert St Medical Centre), Dr Fiona Shand (Black Dog Institute, UNSW), Dr David Gorman (Spine Service, St George Hospital), Dr Denis Petrie (University of Melbourne)

Project summary: There has been very little evaluation of the effectiveness of strategies to assist GPs to manage chronic pain patients on prescription opioids, even high-risk patients. This project involves a pilot trial of two approaches to inform a large scale RCT.

Funding: NSW Ministry of Health

Date commenced: 06/2013

Expected date of completion: Ongoing

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

National Illicit Drug Indicators Project (NIDIP)

NDARC staff: Dr Sharlene Kaye, Professor Michael Farrell

Project summary: 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. It was also established to provide comparable monitoring at an international level as there is increasing recognition among international organisations and countries of the need for evidence-based decision making in order to respond effectively to drug-related problems, particularly given the transborder issues associated with global drug trafficking.

Funding: Australian Government Department of Health and Ageing

Date commenced: 06/2002

Expected date of completion: Ongoing

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

National Opioid Medications Abuse Deterrence (NOMAD) study

NDARC staff: Professor Louisa Degenhardt, Dr Briony Larance, Professor Michael Farrell, Mr Dominic Oen, Miss Oluwadamisola Sotade, Ms Gabrielle Campbell, Dr Suzanne Nielsen

Collaborators: Dr Raimondo Bruno (School of Psychology, University of Tasmania), Associate Professor Robert Ali (School of Medical Sciences, University of Adelaide), Associate Professor Nicholas Lintzeris (The Langton Centre, SE Sydney Local Health District Drug and Alcohol Services; and University of Sydney), Dr Apo Demirkol (The Langton Centre; and University of Sydney), Associate Professor Adrian Dunlop (Hunter New England Local Health District), Professor Paul Haber (Royal Prince Alfred Hospital; University of Sydney), Amy Peacock (University of Tasmania), Dr Nghi Phung (South Western Sydney Local Health District), Dr Nancy White (School of Medical Sciences, University of Adelaide)

Project summary: 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: 09/2013

Expected date of completion: Ongoing

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, and motivations for use

NDARC staff: Dr Sharlene Kaye, Professor Michael Farrell

Collaborators: Associate Professor Jayne Lucke (Australian Research Centre in Sex, Health and Society, La Trobe University), Dr Bradley Partridge (Research Development Unit, Caboolture Hospital), Dr Matthew Dunn (School of Health & Social Development, Deakin University), Professor Wayne Hall (Centre for Youth Substance Abuse Research, University of Queensland), Dr Eric Racine (Institut de recherches cliniques de Montréal), Charmaine Jensen (School of Medicine, University of Queensland)

Project summary: This project examines the non-medical use of prescription stimulant drugs among Australian university students for cognitive enhancement purposes. It will, for the first time in Australia, comprehensively examine attitudes, prevalence, motivations, and patterns and consequences of use. This study will shed light on 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: 03/2013

Expected date of completion: Ongoing

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

POPPY Project: Investigating the use of prescribed opioids in Australia

NDARC staff: Professor Louisa Degenhardt, Associate Professor Timothy Dobbins, Dr Natasa Gisev, Dr Briony Larance, Dr Sarah Larney

Collaborators: Professor Sallie Pearson (Centre for Big Data Research in Health, UNSW Australia), Ms Bianca Blanch (Faculty of Pharmacy, University of Sydney)

Project summary: 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: National Health and Medical Research Council

Date commenced: 09/2013

Expected date of completion: 12/2018

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

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

NDARC staff: Associate Professor Tim Slade, Dr Wendy Swift, Dr Louise Mewton, Professor Richard Mattick, Professor Maree Teesson

Collaborators: Professor Kypros Kypri (University of Newcastle), Professor Michael Lynskey (King's College London), Professor Peter Butterworth (University of Melbourne), Professor Jake Najman (University of

Queensland), Professor George Patton (University of Melbourne), Dr Delyse Hutchinson (Deakin University), Dr Nyanda McBride (Curtin University), Dr Orla McBride (University of Ulster), Associate Professor Rosa Alati (University of Queensland), Associate Professor Tammy Chung (Pennsylvania University), Associate Professor Raimondo Bruno (University of Tasmania)

Project summary: Globally, harmful alcohol use continues to be a major modifiable contributor to the burden of disease. The aim of the project is to conduct a world-first, intensive, longitudinal study of the developmental course of alcohol use disorder (AUD) across adolescence and young adulthood. The overarching hypothesis is that the timing, rate and order of symptom development will account for differences in the risk of developing AUD.

Funding: UNSW Goldstar Near-miss NHMRC project grant (2013 & 2015), NHMRC Project Grant (2016-2020)

Date commenced: 01/2013

Expected date of completion: 05/2021

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

The impact of opioid substitution therapy on hospitalisation and emergency department presentations of people with opioid use disorders

NDARC staff: Dr Sarah Larney, Associate Professor Lucinda Burns, Dr Marian Shanahan, Professor Louisa Degenhardt, Professor Alison Ritter, Dr Natasa Gisev, Associate Professor Timothy Dobbins

Project summary: This project will identify a population cohort of people who use opioids, examine hospitalisations and emergency department visits in this group and determine the impacts of opioid substitution therapy on hospitalisation and emergency department visits.

Funding: Burnet Institute / NHMRC Centre for Research Excellence into Injecting Drug Use (CREIDU) Seed Funding Shared Grant

Date commenced: 06/2014

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/the-impact-of-opioid-substitution-therapy-on-hospitalisation-and-emergency-department-presentations

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: Professor Louisa Degenhardt, Dr Briony Larance, Associate Professor Lucinda Burns, Professor Michael Farrell, Professor Jan Copeland, Ms Ranira Moodley

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

Project summary: This project aims to describe patterns of anabolic-androgenic steroids (AAS) and other performance and image enhancing drugs (PIEDs) use; where people are sourcing them from and why; users' experience of harms; and users' utilisation of health services.

Funding: National Health and Medical Research Council

Date commenced: 08/2014

Expected date of completion: Ongoing

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

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 Larance, Professor Louisa Degenhardt, Professor Michael Farrell, Professor Richard Mattick, Associate Professor Lucinda Burns, Ms Gabrielle Campbell

Collaborators: Associate Professor Nicholas Lintzeris (Drug and Alcohol Services, South East Sydney and Illawarra Area Health), Professor Milton Cohen (St Vincent's Hospital, Sydney), Associate Professor Raimondo Bruno (University of Tasmania), Dr Jennifer Johnson (University Centre for Rural Health, Lismore), Amanda Brown (Drug and Alcohol Clinical Services, Hunter New England Local Health District), Ian Flaherty (Sydney Medically Supervised Injecting Centre)

Project summary: 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).

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

Date commenced: 2012

Expected date of completion: Ongoing

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

Young Australians Alcohol Reporting System (YAARS)

NDARC staff: Professor Richard Mattick, Associate Professor Lucinda Burns, Ms Alexandra Aiken

Collaborators: WA (national coordinators): Prof. Steve Allsop, Dr Tina Lam, Prof. Simon Lenton, Prof. Tanya Chikritzhs, Dr Wenbin Liang, Mr William Gilmore (National Drug Research Institute, Curtin University); **VIC**: Prof. Dan Lubman, Assoc/Prof Belinda Lloyd (Turning Point Alcohol and Drug Centre, Monash University); **TAS**: Assoc/Prof Raimondo Bruno (School of Psychology, University of Tasmania); **SA**: Prof. Ann Roche (National Centre for Education and Training on Addiction (NCETA), Flinders University); **ACT**: Ms Helene Delany, Mr Philip Hull (ACT Health); **NT**: Prof. Richard Midford (Charles Darwin University & the Menzies School of Health Research); **QLD**: Prof. Rosa Alati (School of Public Health, University of QLD)

Project summary: In order to effectively respond to risky drinking among young people, we need enhanced information about the nature, patterns and contexts of use. By engaging with young people and ensuring their input, this can assist us to direct policy, prevention and treatment

efforts. This project will develop an approach that will be implemented nationally. It will combine information from existing data sources with annual data gathering, targeting at-risk young people (14-19 years old).

Funding: The National Drug Research Institute at Curtin University, with funding from the Australian Government under the Substance Misuse Prevention and Service Improvement Grants Fund.

Date commenced: 09/2012

Expected date of completion: Ongoing

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

Prevention 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, Associate Professor Tim Slade

Project summary: The current program of research seeks to investigate new and emerging statistical models to develop accurate and efficient diagnostic instruments that measure the latent relationship between internalising (eg. depression, anxiety), externalising (eg. substance use, anti-social and conduct disorder) and thought disorders (eg. psychosis).

Funding: NHMRC Early Career Fellowship

Date commenced: 01/2013

Expected date of completion: Ongoing

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

A systematic review of alcohol and other drug prevention strategies

NDARC staff: Dr Louise Mewton, Ms Rachel Visontay, Professor Maree Teesson, Associate Professor Tim Slade, Dr Cath Chapman, Associate Professor Nicola Newton, Associate Professor Frances Kay-Lambkin

Collaborators: Australian National Advisory Council on Alcohol and Drugs

Project summary: This project will focus on the full range of universal prevention strategies designed to reduce the use and/or harms associated with alcohol and other drugs across the lifespan. Several recent reviews focusing on the universal prevention strategies for alcohol and other drugs have recently been published. However, these focus on selected settings (i.e. schools) or target particular demographic groups (i.e. young people). The current review will synthesise the information from these reviews to provide an overview of the evidence for a range of universal alcohol and other drug prevention strategies that is relevant across different intervention settings and age groups.

Funding: Department of Health

Date commenced: 06/2016

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/systematic-review-alcohol-and-other-drug-prevention-strategies

Brain Games: Using brain training to prevent adolescent mental illness

NDARC staff: Dr Louise Mewton, Professor Maree Teesson

Collaborators: Dr Antoinette Hodge (Lumos Labs, Inc.), Dr Nicola Gates (Lumos Labs, Inc.)

Project summary: The current study will develop and pilot a personality-targeted mental health prevention program based on cognitive training tasks and delivered to adolescents at risk for developing a range of psychopathology. It is expected that a targeted cognitive training program, which supplements existing universal prevention programs, will prevent the onset of a range of mental illnesses in high-risk youth.

Funding: Australian Rotary Health

Date commenced: 06/2015

Expected date of completion: 06/2018

Project website: https://ndarc.med.unsw.edu.au/project/brain-games-using-brain-training-prevent-adolescent-mental-illness

Can parents teach their children to drink alcohol responsibly? Or, is one drop a drop too many?

NDARC staff: Professor Richard Mattick, Associate Professor Tim Slade, Ms Alexandra Aiken

Collaborators: Professor Jakob Najman (Queensland Alcohol & Drug Research and Education Centre, University of Queensland), Associate Professor Kypros Kypri (School of Medicine and Public Health, University of Newcastle), Associate Professor Raimondo Bruno (School of Psychology, University of Tasmania), Dr Nyanda McBride (National Drug Research Institute, Curtin University), Dr Delyse Hutchinson (School of Psychology, Deakin University)

Project summary: The impact of parental supply is not well understood and may be unintentionally harmful. 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: 09/2010

Expected date of completion: 12/2017

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

CAP (Climate and Preventure) study: Combining effective universal and targeted approaches to drug prevention

NDARC staff: Professor Maree Teesson, Associate Professor Nicola Newton, Associate Professor Tim Slade, Dr Katrina Champion, Dr Emma Barrett, Ms Erin Kelly, Dr Natacha Carragher, Dr Lexine Stapinski, Miss Siobhan Lawler

Collaborators: A/Professor Patricia Conrod (King's College University, London, UK & University of Montreal, Canada)

Project summary: The project will 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: APP1004744

Date commenced: 01/2011

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/cap-study-combining-effective-universal-and-targeted-approaches-drug-prevention

Comorbidity and Trauma Study (CATS)

NDARC staff: Professor Louisa Degenhardt, Dr Briony Larance, Professor Shane Darke, Dr Sarah Larney

Collaborators: Professor Elliot Nelson (Department of Psychiatry, Washington University), Dr Elizabeth Conroy (Centre for Health Research, University of Western Sydney)

Project summary: The Comorbidity and Trauma Study (CATS) is a large retrospective case-control study. It examines the influence of genetics and environmental factors (e.g. childhood trauma) contributing to opioid dependence liability. The present research proposes a new data linkage component, which will link data from the CATS cohort with mortality, opioid substitution therapy, emergency department and hospital data.

Funding: National Institute of Drug Abuse (Grant R01 DA017305)

Date commenced: 01/2014

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/comorbidity-and-trauma-study-cats

Cracks in the Ice: Development and dissemination of an online toolkit to provide evidence-based information about crystal methamphetamine ("Ice")

NDARC staff: Associate Professor Nicola Newton, Dr Lexine Stapinski, Dr Cath Chapman, Associate Professor Frances Kay-Lambkin, Dr Katrina Champion, Professor Maree Teesson, Mr Brad Shaw, Miss Siobhan Lawler, Miss Mary-Ellen Brierley

Collaborators: Prof Steve Allsop (National Drug Research Institute, Curtin University), Dr Nyanda McBride (National Drug Research Institute, Curtin University)

Project summary: In April 2015, the Australian Government established a National Ice Taskforce to provide advice to Government on the impacts of ice in Australia and actions needed to address this growing problem. Cracks in the Ice is part of a coordinated response to the recommendation: "the first priority must be supporting families, workers and communities to better respond to people affected by ice". It is an online toolkit with information about ice for the Australian community.

Funding: Australian Government Department of Health

Date commenced: 07/2015

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/development-and-dissemination-online-tool-kit-provide-evidence-based-information-about

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

NDARC staff: Professor Maree Teesson, Associate Professor Nicola Newton, Associate Professor Tim Slade, Dr Cath Chapman, Ms Louise Birrell, Mr Brad Shaw, Dr Louise Mewton

Collaborators: Professor Gavin Andrews (Clinical Research Unit for Anxiety and Depression, UNSW), Professor Steve Allsop (National Drug Research Institute, Curtin University), Dr Nyanda McBride (National Drug Research Institute, Curtin University), Dr Leanne Hides (Centre for Youth Substance Abuse Research, Queensland University of Technology)

Project summary: This study will 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. It is anticipated that this integrative approach will be more effective in reducing problems and symptoms associated with substance use and mental health disorders compared to the stand-alone interventions and school-based health education as usual.

Funding: National Health & Medical Research Council – Project Grant ID: APP1047291

Date commenced: 08/2013

Expected date of completion: Ongoing

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

CSI (Climate Schools Interactive) study: A cluster randomised controlled trial of the internet-based Climate Schools: Ecstasy & Emerging Drugs Module

NDARC staff: Dr Katrina Champion, Associate Professor Nicola Newton, Professor Maree Teesson

Project summary: Recently, there has been growing concern about the misuse of new psychoactive substances (NPS) designed to mimic the effects of illicit drugs, including ecstasy. Given the overlap in the age of use, risk factors and potential harms associated with ecstasy and NPS use, as well as the fact that NPS are often produced to imitate

the psychoactive effects of ecstasy, it is logical to deliver prevention for these substances simultaneously. However, at present no evidence-based prevention program exists which specifically targets ecstasy and NPS use among young people.

Funding: National Health and Medical Research Council – Postgraduate Research Scholarship; Australian Government Department of Health and Ageing

Date commenced: 01/2013

Expected date of completion: Ongoing

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

Development and evaluation of a school-based early intervention to reduce cannabis use and associated harms among high-risk adolescents

NDARC staff: Ms Lisa Gibson, Professor Jan Copeland

Collaborators: Dr Sally Nathan (School of Public Health and Community Medicine, UNSW)

Project summary: This research seeks to address the gap in early intervention research for cannabis use by developing and evaluating a school-based early intervention targeting young people suspended from school for a cannabis-related issue.

Funding: Australian Rotary Health Ian Scott PhD Scholarship

Date commenced: 03/2015

Expected date of completion: 08/2018

Project website: https://ndarc.med.unsw.edu.au/project/development-and-evaluation-novel-school-community-based-intervention-reduce-cannabis-use-and

Involving children in social research: balancing the risks and benefits

NDARC staff: Dr Jenny Chalmers

Collaborators: Associate Professor Stephanie Taplin (Australian Catholic University), Professor Morag McCarthur (Australian Catholic University), Professor Anne Graham (Southern Cross University), Dr Merle Spriggs (University of Melbourne), Dr Tim Moore (Australian Catholic University)

Project summary: There is a growing consensus that children's involvement in social research is important, but considerable uncertainty remains around children's inclusion in research on 'sensitive' issues, reflecting concerns about how to balance children's protection with their participation. The goal of this study is to better understand and address the tensions between the protection of children and young people and their participation in social research about sensitive issues.

Funding: Australian Catholic University/ ARC Discovery Project Shared Grant

Date commenced: 01/2015

Expected date of completion: 12/2017

Project website: https://ndarc.med.unsw.edu.au/project/involving-children-social-research-balancing-risks-and-benefits

Making INROADs: Interrupting the cycle of Anxiety and Drinking

NDARC staff: Dr Lexine Stapinski, Professor Maree Teesson, Associate Professor Nicola Newton

Project summary: Anxiety and alcohol use disorders are among the most prevalent and debilitating of mental health disorders, and commonly co-occur. This project aims to address crucial questions about when and how to intervene to prevent the onset and exacerbation of alcohol and anxiety comorbidity.

Funding: Australian Rotary Health; Society of Mental Health Research (SMHR) Early Career Researcher Fellowship to Lexine Stapinski

Date commenced: 01/2016

Expected date of completion: 03/2020

Project website: https://ndarc.med.unsw.edu.au/project/making-inroads-interrupting-cycle-anxiety-and-drinking

Positive Choices: National Drug and Alcohol Prevention Portal

NDARC staff: Dr Lexine Stapinski, Associate Professor Nicola Newton, Miss Siobhan Lawler, Professor Maree Teesson, Dr Cath Chapman, Associate Professor Frances Kay-Lambkin

Collaborators: Dr Jon Heron (Bristol University), Prof Andrew Baillie (Macquarie University)

Project summary: Providing young people with accurate, up-to-date information and support is the best way to prevent the harms associated with drug and alcohol use. The Department of Health identified the need for an online portal to help school communities access evidence-based information and drug prevention programs. With input from teachers, parents and students across Australia, we are compiling drug education resources that are engaging, interactive, and proven to improve student wellbeing.

Funding: Australian Government Department of Health

Date commenced: 09/2013

Expected date of completion: 06/2020

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

Triple B: Bumps, babies and beyond

NDARC staff: Dr Delyse Hutchinson, Professor Richard Mattick, Associate Professor Lucinda Burns, Dr Judy Wilson, Miss Ingrid Honan, Miss Clare McCormack, Ms Hannah Fiedler, Miss Larissa Rossen, Ms Danya Braunstein

Collaborators: Professor Steve Allsop (National Drug and Alcohol Research Institute, Curtin University), Professor Jakob Najman (Queensland Alcohol and Drug Research and Education Centre, University of QLD), Professor Elizabeth Elliott (The Children's Hospital at Westmead, University of Sydney Clinical School), Dr. Susan Jacobs (Royal Prince Alfred Hospital), Dr Craig Olsson (Centre for Social and Early Emotional Development, Deakin University; Murdoch Childrens Research Institute, Royal Childrens Hospital, Melbourne), George Youssef (Centre for Social and Early Emotional Development, Deakin University; Murdoch Childrens Research Institute, Royal Childrens Hospital,

Melbourne), Jennifer McIntosh (Centre for Social and Early Emotional Development, Deakin University; Murdoch Childrens Research Institute, Royal Childrens Hospital, Melbourne), Peter Enticott (Centre for Social and Early Emotional Development, Deakin University, Melbourne)

Project summary: The Triple B Study: Bumps, Babies and Beyond is an innovative Australian study of approximately 1600 families. The project is a longitudinal pregnancy cohort that 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 alcohol, tobacco and other drug use in pregnant women and their partners during the prenatal period on infant development and family functioning.

Funding: National Health and Medical Research Council – Project Grant

Date commenced: 01/2010

Expected date of completion: Ongoing

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

Drug policy

Drug law enforcement policy: The deterrent effects of Australian policing strategies

NDARC staff: Dr Caitlin Hughes, Professor Alison Ritter, Ms Vivienne Moxham-Hall

Collaborators: Professor Robert MacCoun (University of California, Berkeley), Dr Don Weatherburn (NSW Bureau of Crime Statistics and Research)

Project summary: The Australian government expends an estimated $1.7 billion on responding to illicit drugs every year, with policing comprising 64% of this expenditure. One core assumption underpinning this investment is that police can deter, discourage or prevent drug offending. But, there remains very limited research into the extent or nature of deterrent effects. One cause of this gap is methodological. The absence of attention to this issue is increasingly problematic as there is concern that some of the newer "deterrent" strategies, such as drug detection dogs, may lead to adverse impacts.

Funding: Australian Research Council – Discovery Project DP150100910

Date commenced: 01/2015

Expected date of completion: 03/2017

Project website: https://ndarc.med.unsw.edu.au/project/drug-law-enforcement-policy-deterrent-effects-australian-policing-strategies

Liquor licensing legislations and the role of community members and groups

NDARC staff: Dr Louise Mewton, Ms Rachel Visontay, Professor Maree Teesson, Associate Professor Tim Slade, Dr Cath Chapman, Associate Professor Nicola Newton, Associate Professor Frances Kay-Lambkin

Collaborators: Australian National Advisory Council on Alcohol and Drugs

Project summary: The first aim of this report is to provide an up to date legislative review of liquor licensing policies within each of the eight Australian jurisdictions. The second aim of this report is to develop jurisdictional-specific guidelines for community members and groups seeking to become involved in the liquor licensing decision-making process.

Funding: Department of Health

Date commenced: 06/2016

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/liquor-licensing-legislations-and-role-community-members-and-groups

Marijuana markets – cross-cultural policy comparison

NDARC staff: Professor Alison Ritter, Dr Vendula Belackova, Dr Caitlin Hughes, Dr Marian Shanahan

Collaborators: Dr Tomas Zabransky (Department of Addictology, First Faculty of Medicine, Charles University, Czech Republic)

Project summary: 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 impact 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: 08/2014

Expected date of completion: 01/2017

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

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 summary: New psychoactive drugs that mimic the effects of prohibited drugs are increasingly available in Australia, and there is mounting evidence of their harmful health effects. This research examines the challenges and opportunities of internet technologies for understanding trends in new and emerging drug use and harms. Findings will inform the development of more effective public health responses to reduce morbidity and mortality from new psychoactive drugs and other illicit drug use.

Funding: NHMRC Early Career Research Fellowship

Date commenced: 07/2014

Expected date of completion: 06/2018

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

Understanding how high-level drug traffickers operate in Australia

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

Project summary: Knowledge about drug suppliers, including traffickers, is slim. This stymies our capacity to understand, foresee and forewarn what Australian and international drug traffickers will do and what policy responses are likely to be most effective. This project, which forms the basis for Matthew O'Reilly's doctoral thesis, aims to increase understanding about high-level drug trafficking and drug supply in Australia.

Funding: Australian Postgraduate Award National Drug and Alcohol Research Centre PhD Benefit Scheme

Date commenced: 03/2014

Expected date of completion: 11/2017

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

Reducing stigma and discrimination for people who use alcohol and other drugs

NDARC staff: Dr Kari Lancaster, Professor Alison Ritter

Collaborators: Dr Kate Seear (Monash University)

Project summary: This project aims to identify effective ways of reducing stigma and discrimination, which has a negative impact on the mental health and wellbeing of Queenslanders experiencing problematic alcohol and other drug use.

Funding: Queensland Mental Health Commission

Date commenced: 05/2016

Expected date of completion: 01/2017

Project website: https://ndarc.med.unsw.edu.au/project/reducing-stigma-and-discrimination-people-who-use-alcohol-and-other-drugs

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

NDARC staff: Professor Alison Ritter, Dr Caitlin Hughes, Dr Kari Lancaster

Collaborators: Professor Robert Hoppe, University of Twente, Netherlands

Project summary: This study will shed light on how policy gets formed by police, and what influences the policy formulation process. Two policy case studies: drug detection dogs and police attendance at drug overdose, will be used to test two very prominent policy process theories: Kingdon's Multiple Streams and Sabatier's Advocacy Coalition Framework. Examination of these policy process theories in the context of policing of illicit drugs 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 DP140100219

Date commenced: 03/2014

Expected date of completion: 2016

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

Trending: Social media analysis to monitor cannabis and synthetic cannabinoid use

NDARC staff: Dr Monica Barratt

Collaborators: Associate Professor Raminta Daniulaityte (Wright State University, Ohio, United States), Professor Edward W. Boyer (University of Massachusetts Medical School, United States), Professor Robert G. Carlson (Wright State University, Ohio, United States), Associate Professor Silvia Martins (Columbia University, New York, United States), Assistant Professor Ramzi W. Nahhas (Wright State University, Ohio, United States), Professor Amit Sheth (Wright State University, Ohio, United States), Professor Krishnaprasad Thirunarayan (Wright State University, Ohio, United States)

Project summary: Cannabis remains one of the most commonly used psychoactive substances in the US, and current epidemiological studies indicate broadening acceptability. The aim of this project is to decrease the burden of psychoactive substance use in the US. The three-year study will develop and deploy eDrugTrends, an innovative platform for semi-automated processing of social media data, to track trends in cannabis and synthetic cannabinoid use, identify opinion leaders and assess differences across US regions with varying cannabis legalisation policies.

Funding: NIDA grant number 1R01DA039454-01

Date commenced: 08/2014

Expected date of completion: 07/2017

Project website: https://ndarc.med.unsw.edu.au/project/trending-social-media-analysis-monitor-cannabis-and-synthetic-cannabinoid-use

International

Program of International Research and Training (PIRT)

NDARC staff: Professor Kate Dolan, Professor Michael Farrell, Mrs Zahra Alam-Mehrjerdi

Collaborators: Dr Alex Wodak (Alcohol and Drug Services, St. Vincent's Hospital), Rebecca Bosworth (University of Wollongong)

Project summary: This project 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, UNODC Head Office

Date commenced: 03/2003

Expected date of completion: Ongoing

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

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

NDARC staff: Professor Kate Dolan

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

Project summary: The aim of this project was to collate data for all countries on the following variables: imprisonment rates; HIV prevalence among male, female, PWIDs, MSM, 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. Drug dependence treatment was recorded for opiate substitution treatment (OST) only.

Funding: United Nations Office on Drugs and Crime (UNODC)

Date commenced: 2013

Expected date of completion: Ongoing

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

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

NDARC staff: Mrs Zahra Alam-Mehrjerdi, Professor Kate Dolan

Collaborators: A/Professor Nadine Ezard (St Vincent's Drug & Alcohol Service, Sydney; Conjoint, UNSW Medicine), Prof. Azarakhsh Mokri (Iranian National Centre for Addiction Studies (INCAS); Tehran University of Medical Sciences (TUMS), Tehran, Iran), Dr. Pardis Nematollahi (Razi clinical pathology laboratory, Isfahan, Iran)

Project summary: Methadone maintenance treatment (MMT) can prevent heroin use among women but regular methamphetamine use has no pharmacological treatment and could result in treatment failure. This study aims to identify whether brief cognitive behavioural therapy (CBT) is effective in reducing regular methamphetemine use among a group of female co-users of heroin with methamphetamine.

Funding: NDARC

Date commenced: 02/2014

Expected date of completion: Ongoing

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

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: Professor Louisa Degenhardt, Dr Luise Lago, Miss Chrianna Bharat

Collaborators: Substance Use Workgroup: Ronald Kessler, PhD (Harvard University School of Medicine, United States), Meyer Glantz, PhD (National Institute on Drug Abuse, United States), Maria Elena Medina-Mora, PhD (National Institute of Psychiatry, Mexico), Dan Stein, MD (University of Stellenbosch, South Africa), Jacek Moskalewicz, PhD (Institute of Psychiatry and Neurology, Poland), Elie Karam, MD (St George Hospital University Medical Centre, Lebanon), Laura Andrade, MD, PhD (University of Sao Paulo, Brazil), Yolanda Torres de Galvis, MPH (Centro de Excelencia en Investigación en Salud Mental, Universidad CES, Colombia), J. Elisabeth Wells, PhD (Department of Public Health and General Practice, University of Otago, New Zealand)

Project summary: In this study, we will undertake detailed analyses of the largest cross-national epidemiologic study of mental and substance use disorders ever conducted. The WHO World Mental Health Survey (WMHS) initiative is a massive, unique endeavour. It contains data on around 160,000 participants from 31 countries.

Funding: NHMRC

Date commenced: 11/2014

Expected date of completion: 03/2018

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

Indigenous

A randomised controlled study of health intervention 'SNAP' in Northern Territory prisons

NDARC staff: Professor Kate Dolan, Dr Ryan Courtney, Dr Emily Stockings, Associate Professor Timothy Dobbins, Professor Anthony Shakeshaft

Collaborators: Professor Stuart Kinner (Griffith University), Dennis Petrie (Monash University), Robyn Hopkins (Northern Territory Correctional Service)

Project summary: The Northern Territory prison population comprises 92 per cent Indigenous Australians and 88 per cent smokers. The NT prison-smoking ban creates a population-wide abstinence. We aim to extend this period of abstinence into the community.

Funding: Commonwealth Health Department

Date commenced: 09/2016

Expected date of completion: 06/2018

Project website: https://ndarc.med.unsw.edu.au/project/randomised-controlled-study-health-intervention-snap-northern-territory-prisons

Exploration of partnerships between rural Aboriginal communities and researchers to prevent and treat drug and alcohol-related harms: Three examples in remote NSW

NDARC staff: Professor Anthony Shakeshaft, Dr Courtney Breen, Ms Alice Munro

Collaborators: Dr Julaine Allan (The Lyndon Community), Far West Medicare Local, Bourke Alcohol Working Group (BAWG), Condobolin Alcohol Working Group, Lake Cargelligo Alcohol Working Group, Brewarrina Alcohol Working Group, Orana Haven Corporation Drug and Alcohol Rehabilitation Centre

Project summary: This project seeks to develop knowledge about effective models of partnership between rural Aboriginal communities and researchers across a range of community-led programs delivered from 2012-2016, which aimed to reduce drug and alcohol-related harm.

Funding: Far West Medicare Local

Date commenced: 03/2014

Expected date of completion: 07/2017

Project website: https://ndarc.med.unsw.edu.au/project/exploration-partnerships-between-rural-aboriginal-communities-and-researchers-prevent-and

Reducing alcohol-related injury and violence in rural Aboriginal communities

NDARC staff: Professor Anthony Shakeshaft, Ms Mieke Snijder, Mr Ronald Bamblett

Collaborators: Mrs Bonita Byrne (NDARC, based in Narrandera), Mr Jamie O'Neill (Lower Lachlan Community Services), Associate Professor Melissa Haswell-Elkins (Muru Marri Indigenous Health Unit, UNSW), Stacey Meredith (Griffith Aboriginal Medical Service), Professor Christopher Doran (Hunter Medical Research Institute, University of Newcastle), Dr Anton Clifford (School of Population Health and Community Medicine, University of Queensland), Community members and community based organisations in three towns in regional NSW (e.g. city councils, police, hospital, health, family and youth organisations).

Project summary: This project examines the cost-effectiveness of an integrated community development approach for reducing alcohol-related injury and violence among Aboriginal people in three rural locations in NSW. The approach comprises three core program components which are designed to reduce the opportunities for alcohol harm to occur, to increase people's sense of empowerment and to better utilise the existing services in the communities.

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

Date commenced: 01/2014

Expected date of completion: 05/2017

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

Development of culturally-appropriate curriculum resources to prevent alcohol and drug-related harms among young Aboriginal and Torres Strait Islander people

NDARC staff: Dr Lexine Stapinski, Ms Mieke Snijder, Associate Professor Nicola Newton, Dr Cath Chapman, Dr Katrina Champion, Associate Professor Frances Kay-Lambkin, Ms Briana Lees, Professor Maree Teesson

Collaborators: A/Prof James Ward (South Australia Health and Medical Research Institute), Gilimbaa (Indigenous Creative Agency)

Project summary: In partnership with Gilimbaa, an Indigenous Creative Agency, this project involves development of culturally appropriate school-based resources to prevent drug-related harms among young Aboriginal and Torres Strait Islander people.

Funding: Australian Government Department of Health

Date commenced: 07/2016

Expected date of completion: 06/2018

Project website: https://ndarc.med.unsw.edu.au/project/development-culturally-appropriate-curriculum-resources-prevent-alcohol-and-drug-related

Health economics

Identifying the social costs of methamphetamine

NDARC staff: Professor Michael Farrell, Dr Marian Shanahan, Dr Sharlene Kaye, Professor Alison Ritter, Professor Louisa Degenhardt, Associate Professor Lucinda Burns

Collaborators: This project is being led by Professor Steve Allsop from the National Drug Research Institute (Curtin University) supported by colleagues Professor Tanya Chikritzhs, Associate Professor Anna Ferrante, Professor Dennis Gray, Dr Wenbin Liang, Professor Simon Lenton, Dr Robert Tait and Associate Professor Ted Wilkes. Other collaborators: Associate Professor Steve Whetton (South Australian Centre for Economic Studies, University of Adelaide), Associate Professor Rebecca McKetin (Centre for Research on Ageing, Health and Wellbeing, Research School of Population Health, Australian National University)

Project summary: The overarching objective of this project is to produce as comprehensive as possible an estimate of the costs of methamphetamine use to Australian society. The intention is also to develop an approach that could be applied in a consistent manner to other drugs in the future.

Funding: Australian Government Department of Health

Date commenced: 08/2015

Expected date of completion: 06/2017

Project website: https://ndarc.med.unsw.edu.au/project/identifying-social-costs-methamphetamine

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

NDARC staff: Dr Marian Shanahan, Professor Michael Farrell

Project summary: This study aims to use a discrete choice experiment (DCE) 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: 06/2014

Expected date of completion: Ongoing

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: Professor Alison Ritter, Professor Michael Farrell, Dr Marian Shanahan, Dr Jennifer Seddon

Project summary: 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: 01/2012

Expected date of completion: 12/2016

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

Social Costs of Smoking in NSW

NDARC staff: Dr Marian Shanahan, Miss Oluwadamisola Sotade, Professor Alison Ritter, Dr Phuong Hoang, Dr Ryan Courtney, Professor Louisa Degenhardt

Collaborators: Catherine Kellick (Sax Institute), Anita Dessaix (The Cancer Institute NSW), Tim Harrold (Department of Health NSW), Natasha Hayes (Department of Health NSW), Donna Perez (The Cancer Institute NSW), Sandra Rickards (The Cancer Institute NSW), Katarzyna Bochynska (The Cancer Institute NSW), Gersom Santos (The Cancer Institute NSW)

Project summary: This project will estimate the social and economic costs related to tobacco use in NSW for 2014. Mortality and morbidity costs attributable to smoking will be estimated as will lost productivity, costs due to fires and the intangible costs due to mortality attributable to smoking. Also included are expenditures on services and programs to prevent or stop smoking and taxation revenues. Using these data, a model will be developed to explore the impact on social costs as the prevalence of smoking changes.

Funding: Sax Institute contract research

Date commenced: 02/2016

Expected date of completion: Ongoing

Project website: https://ndarc.med.unsw.edu.au/project/social-costs-smoking-nsw

Completed projects

Treatment and intervention

Assessing the cannabis withdrawal scale and cannabis problems questionnaire

NDARC staff: Professor Jan Copeland, Ms Izabella Pokorski

Project summary: This project aims to assess the psychometric properties of the Cannabis Withdrawal Scale (CWS) and to further assess the reliability and validity of the measure for use in clinical and research settings.

Funding: Network of Alcohol and other Drugs Agencies contract research

Date commenced: 2015

Expected date of completion: 12/2016

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

Feasibility study of a brief telephone-based cannabis intervention

NDARC staff: Dr Peter Gates, Professor Jan Copeland

Collaborators: Peta Jesse (Cannabis Information and Helpline, NSW)

Project summary: The majority of calls to the Cannabis Information Helpline and indeed all counselling interventions in specialist treatment services are only one session. To date, no studies have been conducted on the efficacy of a brief one session telephone-based intervention with a specific focus on an illicit drug. This study aims to examine whether such a brief telephone-based counselling service can act as an efficacious treatment option for people with cannabis-related problems.

Funding: Australian Government Department of Health

Date commenced: 10/2015

Expected date of completion: 06/2016

Project website: https://ndarc.med.unsw.edu.au/project/feasibility-study-brief-telephone-based-cannabis-intervention

Pharmaceutical opioid analgesic (POA) dependence and treatment responses

NDARC staff: Dr Suzanne Nielsen

Collaborators: Larry Pierce (NADA), Dr Suzie Hudson (NADA)

Project summary: Prescription opioid dependence has been described to be at epidemic levels in the US and has been reported to be increasing globally. Establishing an evidence base for treatment of prescription opioid dependence is therefore timely and critical. 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 randomised 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: 12/2012

Expected date of completion: 11/2016

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

Psychotherapeutic interventions for cannabis abuse and/or dependence in outpatient settings

NDARC staff: Dr Peter Gates, Professor Jan Copeland, Ms Lucy Albertella

Collaborators: Dr Pamela Sabioni (Department of Psychiatry, University of Toronto), Associate Professor Linda Gowing (Discipline of Pharmacology Medical School NG13, University of Adelaide), Professor Bernard Le Foll (Psychiatry and Institute of Medical Sciences; University of Toronto)

Project summary: Cannabis use disorder is the most common illegal substance use disorder in the general population and demand for assistance from health services is increasing internationally. Despite that, only a minority of those with the disorder will seek professional assistance. Treatment studies have been published, however, there is a need for a systematic review of cannabis-specific treatments for adults.

Date commenced: 06/2014

Expected date of completion: 01/2016

Project website: https://ndarc.med.unsw.edu.au/project/psychotherapeutic-interventions-cannabis-abuse-andor-dependence-outpatient-settings

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

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

Project summary: 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: National Health & Medical Research Council

Date commenced: 01/2012

Expected date of completion: 2016

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

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: Associate Professor Frances Kay-Lambkin, Professor Maree Teesson, Dr Mark Deady, Associate Professor Katherine Mills

Collaborators: Professor Amanda Baker (University of Newcastle), Professor Kathleen Brady (Medical University of South Carolina), A/Professor Terry Lewin (University of Newcastle), Professor Bonnie Spring (Northwestern University), Louise Thornton (University of Newcastle)

Project summary: This project focuses on a common clinical problem that causes substantial functional, economic, and health impacts: comorbid depression and alcohol use. These conditions are under-treated and peak in young adulthood. 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). If found to be viable and effective, this project offers a low cost, wide reach, youth-appropriate treatment, which will have profound implications for service design and health policy.

Funding: Network of Alcohol and other Drugs Agencies contract research

Date commenced: 01/2012

Expected date of completion: 03/2016

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

Patterns of alcohol and drug use

A longitudinal study of cannabis use, schizotypy & attentional inhibition

NDARC staff: Ms Lucy Albertella, Professor Jan Copeland

Collaborators: Dr Mike Le Pelley (School of Psychology, UNSW)

Project summary: Research shows that there is a relationship among cannabis use, schizotypy, and attentional inhibition. It is unclear from the existing literature, however, what the nature of this relationship is. To address this issue, we are conducting a longitudinal study of cannabis use, schizotypy, and negative priming (a measure of attentional inhibition) in a sample of 14 – 24 year olds. Knowing how cannabis use, schizotypy, and attentional inhibition are temporally related in adolescence and young adulthood will allow a better understanding how these factors may interact to increase risk for psychotic disorders.

Date commenced: 01/2016

Expected date of completion: 06/2016

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

Circumstances and causes of death of compulsive hoarders

NDARC staff: Professor Shane Darke

Collaborators: Professor Johan Duflou (Sydney Medical School, University of Sydney)

Project summary: Compulsive hoarding is a debilitating disorder. Little is known of the substance use of hoarders, or the circumstances in which they die.

Funding: Australian Government Department of Health and Ageing and the NSW Health Department

Date commenced: 2015

Expected date of completion: 2016

Project website: https://ndarc.med.unsw.edu.au/project/circumstances-and-causes-death-compulsive-hoarders

Drug policy

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

NDARC staff: Professor Alison Ritter, Professor Gregory Dore, Professor Lisa Maher

Collaborators: Professor Paul Dietze (Centre for Population Health, Burnet Institute), Professor Margaret Hellard (Centre for Population Health, Burnet Institute), Dr Stuart Kinner (Centre for Population Health, Burnet Institute), Professor Dan Lubman (Turning Point Alcohol and Drug Centre, Monash University), Professor David Moore (National Drug Research Institute, Curtin University), Professor Robert Power (Centre for Population Health, Burnet Institute), Professor Gail Williams (School of Population Health, University of Queensland)

Project summary: Injecting drug use is a behaviour strongly associated with other highly marginalised characteristics such as imprisonment, blood borne virus infections, homelessness and mental illness. This Centre for Research Excellence is focused on injecting drug use and draws together a number of innovative studies about injecting drug use, plus provides seed funds for new projects. The Centre provides a mechanism for research translation to key stakeholders including consumers, policy makers and practitioners.

Funding: Burnet Institute – NHMRC Centres of Research Excellence Shared Grant / Subcontract | APP1001144

Date commenced: 10/2010

Expected date of completion: 06/2016

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

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

NDARC staff: Professor Alison Ritter, Dr Marian Shanahan, Mrs Thu Vuong

Collaborators: Prof Robert Ali (University of Adelaide), Dr Giang Le (Hanoi Medical University), Dr Nhu Nguyen (FHI360 Vietnam)

Project summary: This study compares the cost-effectiveness of centre-based compulsory rehabilitation (CCT) for substance abuse with community-based methadone

maintenance treatment (MMT) in Hai Phong City, Vietnam. The project forms the basis for Thu Vuong's PhD.

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

Date commenced: 02/2012

Expected date of completion: 03/2016

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

Social construction and the evidence-based drug policy endeavour

NDARC staff: Dr Kari Lancaster, Professor Alison Ritter

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

Project summary: 'Evidence-based policy' has become the catch-cry of the drug policy field. A growing literature has been dedicated to realising the goal of 'evidence-based' drug policy: to maximise the use of quality research to inform decision-making and help answer the question of 'what works.' The aim of this project was to problematise the premise of the 'evidence-based policy' paradigm and, by interrogating underlying taken-for-granted assumptions, consider the implications and effects of this dominant mode of governance for drug policy.

Funding: Australian Postgraduate Award

Date commenced: 03/2013

Expected date of completion: 08/2016

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

Treatment services specifications for the NGO drug and alcohol specialist sector in NSW

NDARC staff: Professor Alison Ritter, Miss Oluwadamisola Sotade

Collaborators: Larry Pierce (NADA), Dr Suzie Hudson (NADA)

Project summary: The Network of Alcohol and other Drugs Agencies (NADA) is conducting a project to develop a set of treatment service specifications for the NSW specialist NGO drug and alcohol sector. NADA has engaged NDARC to develop the service specifications in close consultation with the NADA specialist membership. This project will provide the first set of treatment service specifications for NSW alcohol and other drug treatment services.

Funding: Network of Alcohol and other Drugs Agencies contract research

Date commenced: 01/2016

Expected date of completion: 06/2016

Project website: https://ndarc.med.unsw.edu.au/project/treatment-services-specifications-ngo-drug-and-alcohol-specialist-sector-nsw

Indigenous

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

NDARC staff: Professor Anthony Shakeshaft, Ms Alice Knight

Collaborators: Dr Anton Clifford (School of Population Health, University of Queensland), Professor Komla Tsey (The Cairns Institute & School of Education, James Cook University), Dr Jayna McCalman (The Cairns Institute & School of Education, James Cook University), Professor Christopher Doran (School of Medicine and Public Health, University of Newcastle), Kim Edmunds (Hunter Medical Research Institute), Associate Professor Melissa Haswell-Elkins (School of Public Health and Community Medicine, UNSW), Associate Professor Myfanwy Maple (School of Health, University of New England), Dr Alys Havard (Centre for Big Data Research in Health, UNSW)

Project summary: Young people with multiple and complex needs represent a minority of young people but they experience a disproportionately high burden of harm. This is often due to a complex history of childhood disadvantage, trauma and abuse imposed on them which can manifest in reduced employment and productivity opportunities, increased risk of self-harm and injury, higher levels of physical and mental health disability, and premature mortality related to relatively poor health, suicide and accidental death. Aboriginal and Torres Strait Islander young people are over-represented amongst this group. Despite the high burden of harm borne by young people with multiple and complex needs, there is very little evidence from rigorous intervention trials as to which strategies are most beneficial for reducing these harms. However, early findings from overseas studies suggest that multi-component interventions that focus simultaneously on different aspects of complexity in a young person's life by employing elements of discrete therapies such as CBT and family empowerment approaches are proving to be most effective in reducing risk behaviours.

Funding: NHMRC

Date commenced: 01/2013

Expected date of completion: 07/2016

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

Criminal justice system

A scoping review of supported group housing services for people released from prison

NDARC staff: Dr Sarah Larney

Project summary: The aim of this project is to scope the research literature on supported housing services for people released from prison.

Funding: Network of Alcohol and other Drugs Agencies contract research

Date commenced: 11/2015

Expected date of completion: 02/2016

Project website: https://ndarc.med.unsw.edu.au/project/scoping-review-supported-group-housing-services-people-released-prison

Staff

Office of the Director

Michael	**Farrell**	Professor, Director NDARC
Alison	**Ritter**	Professor & NHMRC Senior Research Fellow, Deputy Director NDARC
Anthony	**Shakeshaft**	Professor, Deputy Director NDARC
Karen	**Hill**	Centre Operations Manager
Swati	**Srivastava**	Acting Centre Operations Manager
Nicki	**Wilkinson**	Acting Centre Operations Manager
Marion	**Downey**	Communications Manager

Academic Staff

In 2016, NDARC had 47 academic staff, 12 of whom were on NHMRC funded fellowships and 3 on Rotary fellowships and one a Vice Chancellor's Post-Doctoral Research Fellow.

Monica	**Barratt**	NHMRC Early Career Research Fellow
Emma	**Barrett**	Research Fellow
Chrianna	**Bharat**	Research Fellow
Courtney	**Breen**	Research Fellow
Lucinda	**Burns**	Associate Professor
Jenny	**Chalmers**	Senior Research Fellow
Katrina	**Champion**	Research Associate
Cath	**Chapman**	Senior Research Fellow
Jan	**Copeland**	Professor, Director NCPIC
Ryan	**Courtney**	Cancer Institute New South Wales Early Career Research Fellow
Shane	**Darke**	Professor
Louisa	**Degenhardt**	Professor & NHMRC Principal Research Fellow
Timothy	**Dobbins**	Associate Professor
Kate	**Dolan**	Professor
Natasa	**Gisev**	NHMRC Early Career Research Fellow
Tonelle	**Handley**	Rotary Post-Doctoral Research Fellow
Phuong	**Hoang**	Research Fellow – Economist
Caitlin	**Hughes**	Senior Research Fellow
Sharlene	**Kaye**	Senior Research Fellow
Frances	**Kay-Lambkin**	Associate Professor & NHMRC Senior Research Fellow
Luise	**Lago**	Research Fellow
Kari	**Lancaster**	Research Associate
Julia	**Lappin**	Senior Lecturer
Briony	**Larance**	Senior Research Fellow and NHMRC Early Career Research Fellow
Sarah	**Larney**	Senior Research Fellow
Christina	**Marel**	Research Fellow and SMHR Early Career Research Fellow
Richard	**Mattick**	Professor & NHMRC Principal Research Fellow
Louise	**Mewton**	Rotary Postdoctoral Research Fellow
Katherine	**Mills**	Associate Professor
Nicola	**Newton**	Senior Research Fellow
Suzanne	**Nielsen**	Senior Research Fellow and NHMRC Early Career Research Fellow
Amy	**Peacock**	NHMRC Early Career Research Fellow
Joanne	**Ross**	Senior Research Fellow
Marian	**Shanahan**	Senior Research Fellow – Health Economist
Edmund	**Silins**	Research Fellow
Tim	**Slade**	Associate Professor
Janette	**Smith**	Rotary Research Fellow
Lexine	**Stapinski**	Senior Research Fellow and SMHR Early Career Research Fellow
Emily	**Stockings**	NHMRC Early Career Research Fellow
Matthew	**Sunderland**	Senior Research Fellow and NHMRC Early Career Research Fellow
Wendy	**Swift**	Senior Research Fellow
Maree	**Teesson**	Professor & NHMRC Principal Research Fellow

Dennis	**Thomas**	Post Doctoral Research Fellow
Louise	**Thornton**	Vice-Chancellor's Post-Doctoral Research Fellow
Thu	**Vuong**	Post-Doctoral Research Fellow
Monika	**Wadolowski**	Post-Doctoral Research Fellow

Professional and Technical Staff – Research

In 2016, NDARC had 36 professional and technical (P&T) Research staff.

Alex	**Aiken**	Senior Research Officer
Dion	**Alperstein**	Research Officer
Ronald	**Bamblett**	Project Officer
Mary-Ellen	**Brierley**	Research Assistant
Bonita	**Byrne**	Project Officer
Joanne	**Cassar**	Research Psychologist
Gavin	**Entwistle**	Research Officer
Peter	**Gates**	Senior Research Officer
Jenny	**Geddes**	Project Coordinator/Clinical Psychologist
Sally	**Hunt**	Project Manager
Toni	**Karlsson (nee Hordern)**	Research Officer
Ivana	**Kihas**	Research Assistant
Siobhan	**Lawler**	Research Assistant
Brianna	**Lees**	Research Assistant
Dana	**Leidl**	Research Assistant
Stacey	**McCraw**	Clinical Psychologist
David	**McKell**	Research Officer
Teleri	**Moore**	Research Assistant
Sundresan	**Naicker**	Research Officer
Natasha	**Nair**	Research Assistant
Courtney	**O'Donnell**	Research Assistant
Dominic	**Oen**	Research Assistant
Kate	**Penglis**	Research Assistant
Izabella	**Pokorski**	Research Officer
Maxine	**Robinson**	Research Assistant
Kate	**Ross**	Research Program Officer
Brad	**Shaw**	Research Assistant
Natasha	**Winsley (nee Sindicich)**	Senior Research Officer
Oluwadamisola	**Sotade**	Research Assistant
Jenny	**Stafford**	Senior Research Officer
Chiara	**Stone**	Senior Research Officer
Joel	**Tibbetts**	Research Assistant
Stephanie	**Todd**	Research Officer
Joe	**Van Buskirk**	Research Officer
Rachel	**Visontay**	Research Assistant
Jack	**Wilson**	Research Assistant

Professional and Technical Staff – Administration

Overall in 2016, NDARC had 24 professional and technical (P&T) Administration staff.

Ann	**Banks**	Acting Executive Assistant
Tori	**Barnes**	Administrative Officer, NCPIC
Jasmin	**Bartlett**	Administrative Officer/EA
Lovenish	**Batra**	Finance Officer
Davy	**Cheng**	Management Accountant
Alexandra	**Dore**	Communications Officer
Colleen	**Faes-Scott**	Finance Officer
Karina	**Hickey**	Communications Officer, NCPIC
Mary	**Kumvaj**	Librarian

Clare	**Le**	Communications Officer, NCPIC
Mauricia	**Lopes**	Finance Manager
Etty	**Matalon**	National Clinical Training Manager
Amanda	**McDonald**	Communications Manager, NCPIC
Leanne	**Mezrani**	Acting Communications Officer
Jelynn	**Millare**	Administrative Officer
Morag	**Millington**	Communications Officer, NCPIC
Deborah	**Owen**	Administrative Assistant
Meena	**Popal**	Management Accountant
Christopher	**Pruze**	Acting Administrative Officer/EA
John	**Redmond**	Research Assistant, NCPIC
Jemma	**Sale**	Executive Assistant/Project Co-ordinator
Carla	**Santos**	Administrative Officer
Swati	**Srivastava**	Finance Manager
Mina	**Tang**	Finance Officer
Matthew	**Tooth**	Communications Officer, NCPIC
Michaela	**Turner**	Administrative Officer

Professional and Technical Staff – Doctoral Candidates

In 2016, NDARC had 31 Doctoral Candidates and two Masters by Research Students. Six candidates completed their PhDs.

Zahra	**Alam-Mehrjerdi**	International Doctoral Candidate
Lucy	**Albertella**	Doctoral Candidate/Research Officer
Louise	**Birrell**	Doctoral Candidate/Research Assistant
Veronica	**Boland**	Doctoral Candidate/Research Officer
Kerryn	**Butler**	Doctoral Candidate/Research Officer
Gabrielle	**Campbell**	Doctoral Candidate/Senior Research Officer
Katrina	**Champion**	Doctoral Candidate/Senior Research Officer
Philip	**Clare**	Doctoral Candidate/Senior Research Officer
Michael	**Doyle**	Indigenous Australian Doctoral Candidate
Juliana	**Erthal**	International Doctoral Candidate
Catherine	**Foley**	Rural/remote off-site Doctoral Candidate
Clara	**Fritchley**	Doctoral Candidate
Lisa	**Gibson**	International Doctoral Candidate/Senior Research Officer
Anneliese	**Hilder**	Doctoral Candidate
Bianca	**Hoban**	Doctoral Candidate/Research Assistant
Erin	**Kelly**	Doctoral Candidate/Research Psychologist
Alice	**Knight**	Doctoral Candidate/Research Assistant
Kari	**Lancaster**	Doctoral Candidate/Senior Research Officer
Clare	**McCormack**	Doctoral Candidate/Research Officer
Richard	**Mellor**	Doctoral Candidate/Research Assistant
Sonja	**Memedovic**	Doctoral Candidate/Research Officer
Vivienne	**Moxham-Hall**	Doctoral Candidate/Research Officer
Alice	**Munro**	Rural/remote off-site Doctoral Candidate
Matthew	**O'Reilly**	Doctoral Candidate
Katrina	**Prior**	Doctoral Candidate/Research Officer
Larissa	**Rossen**	Doctoral Candidate/Research Officer
Amanda	**Roxburgh**	Doctoral Candidate/Senior Research Officer
Shivanjali	**Singh**	Doctoral Candidate
Mieke	**Snijder**	International Doctoral Candidate/Research Officer
Rachel	**Sutherland**	Doctoral Candidate/Research Officer
Thu	**Vuong**	International Doctoral Candidate
Elizabeth	**Whittaker**	Doctoral Candidate/Research Officer

Masters by Research students

Douglas Bruce	**James**	Rural/Remote off-site Masters Research
Maureen Anne	**Steele**	Masters Research

Conjoints

In 2016, NDARC had 26 conjoint appointments.

Julaine	**Allan**	Associate Lecturer
David	**Allsop**	Lecturer
Amanda	**Baker**	Professor
Raimondo	**Bruno**	Associate Professor
Bianca	**Calabria**	Lecturer
Jenny	**Chalmers**	Senior Lecturer
Katherine	**Conigrave**	Professor
Johan	**Duflou**	Associate Professor
Matthew	**Dunn**	Senior Lecturer
Wayne	**Hall**	Professor
Mary	**Harrod**	Conjoint
John	**Howard**	Senior Lecturer
Marianne	**Jauncey**	Senior Lecturer
Sharlene	**Kaye**	Senior Lecturer
Francis	**Kay-Lambkin**	Associate Professor
Kypros	**Kypri**	Professor
Trevor	**King**	Lecturer
Rod	**MacQueen**	Senior Lecturer
Andrea	**Mant**	Associate Professor
Mark	**Montebello**	Lecturer
Elizabeth	**Moore**	Lecturer
Folounso	**Oyekan**	Associate Lecturer
Sachin	**Patil**	Conjoint
Ed	**Silins**	Lecturer
Alex	**Wodak**	Senior Lecturer
Deborah	**Zador**	Senior Lecturer

Visiting staff and students

Robert	**Ali**	Honorary Associate Professor
Kamran	**Afzali**	Visiting Fellow
Judith	**Aldridge**	Visiting Fellow
Lynda	**Berends**	Visiting Fellow
Fiona	**Charlson**	Visiting Fellow
Kevin	**Gournay**	Visiting Professorial Fellow
Katherine	**Hafekost**	Visiting Fellow
Lindsey	**Hines**	Visiting Fellow
Delyse	**Hutchinson**	Visiting Fellow
Joanne	**Kimber**	Visiting Fellow
Hannah	**Fiedler**	Macquarie University Doctoral Candidate
Ingrid	**Honan**	Macquarie University Doctoral Candidate
Luise	**Lago**	Visiting Fellow
Carl	**Lejuez**	Visiting Professorial Fellow
John	**Lewis**	Visiting Fellow
Rebecca	**McKetin**	Visiting Fellow
Jackob	**Najman**	Visiting Professorial Fellow
Claudia	**Sannibale**	Adjunct Academic
Alex	**Stevens**	Visiting Professorial Fellow
Stephanie	**Taplin**	Visiting Research Fellow
Megan	**Weier**	Junior Visiting Research Fellow

External Staff

Margaret	**Eagers**	Distribution Manager

Awards

NDARC staff have the opportunity to apply or be nominated for many awards, including university and faculty awards as well as external awards.

Zahra Alam-Mehrjerdi

People's choice award for best poster at the 2016 NDARC Symposium

Postgraduate Research Support (PRSS) travel award, UNSW

Travel award from the Women's and Children's Health and Gender (In Women's) Group, NIDA, California

Dr Monica Barratt

2016 UNSW Medicine Dean's Rising Star Award – Early Career Researcher

Dr Ryan Courtney

Young Investigator Award – Global Forum on Nicotine

Professor Louisa Degenhardt

UNSW Scientia Professor

Australian Professional Society on Alcohol and other Drugs (APSAD) Senior Scientist award

Fellow of the Academy of Social Sciences in Australia (ASSA)

Dr Briony Larance

Dean's Award for Academic Staff (Research)

Dr Christina Marel

Australian Rotary Health Knowledge Dissemination Award

Society for Mental Health Research (SMHR) Travel Award

The MHS Best Practice Award: Highly Commended

Dr Louise Mewton

Australasian Professional Society for Alcohol and Drugs (APSAD) Early Career Researcher Award

Dr Nicola Newton

Rising Star Award from the Society for Mental Health Research (SMHR)

Dr Suzanne Nielsen

National Institute on Drug Abuse (NIDA) International Forum Travel Award 2016

Matthew O'Reilly

People's choice award for best poster at the 2016 NDARC Symposium

Dr Amy Peacock

International Women's and Children's Health and Gender Group Travel Award

Alison Ritter

Australian Professional Society on Alcohol and other Drugs (APSAD) Mentor Award

Mieke Snijder

Poster prize award winner at the 2016 NDARC Symposium

Dr Emily Stockings

The Black Dog Institute 2016 Black Puppy Foundation Award for best research paper by an early career researcher in the field of youth mental health

Dr Thu Vuong

Early Career Researcher Award at the International Society for the Studies of Drug Policy

Elizabeth Whittaker

Health Services Research Association Australia and New Zealand, Best PhD Student Prize Runner-up, 2016

External appointments

Memberships of External Committees, Advisory Boards and Editorial Boards

Dr Monica Barratt

Associate Editor, *International Journal of Drug Policy* (2015-present)

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)

Co-founder, Cryptomarkets Research Hub email list (2015-present)

Member, Global Drug Survey Expert Advisory Committee (2012-present)

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)

Guest Editor, *Journal of Clinical Medicine*, Special Issue on Post Traumatic Stress Disorder (2016)

A/Prof Lucinda Burns

Chair, Quality Improvement and Negligible Risk Review Committee, Cancer Institute NSW

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

Deputy Chair, Population Health Research Ethics Committee, NSW Cancer Institute (2011-present)

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

Member, FASD Advisory Group to the Department of Health

Ms Kerryn Butler

Member, APSAD Early Career Researcher Committee (2016-present)

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] (2013-present)

Dr Catherine 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)

Dr Katrina Champion

Editorial Board Member (Early Career Reviewer), *Prevention Science* (2015-present)

Member, National Institute on Drug Abuse (NIDA) International Poster Session Theme Committee, Society for Prevention Research Annual Meeting, 2016

Prof Jan Copeland

Chair, US College on Problems of Drug Dependence (CPDD) International Committee (2012-2015)

Member of the CPDD Membership Committee 2015-2018

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)

Member of the Board of the Progressive Learning Centre School (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 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 (2012-2015)

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 Cohorts 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

Board Member, AIDS Council of NSW (ACON (2015-present)

Member, 2016 National Drug Strategy Household Survey Technical Advisory Group (2015-present)

Member, 2016 National Drug Strategy Household Survey Tender evaluation committee

Prof Kate Dolan

Affiliate member, Center for Infectious Disease Modeling and Analysis, Yale School of Medicine (2016-present)

Editorial Board Member, *Spanish Journal of Prison Health* (2016-present)

Guest co-editor of *The Lancet*'s special issue on HIV in prisons (2015-2016)

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

Member, Harm Reduction Australia (2015-present)

Member, MSIC's Scientific Advisory Committee (2015-present)

Member Judging Panel, Peter Baume Public Health Impact Prize UNSW (2012-present)

Advisor, Inter country meeting on strengthening the public health response to substance use (2015)

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

A/Prof Timothy Dobbins

Member, Population and Health Services Research Ethics Committee, NSW Cancer Institute and NSW Ministry of Health (2012-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, Health Science Alliance (2012-present)

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

Dr Caitlin Hughes

Member, Of Substance Editorial Reference Group (2011-2015)

Member, International Society for the Study of Drug Policy (ISSDP) Conference Scientific Program Committee (2011-present)

Member, UNSW Faculty of Medicine Postdoctoral Advisory Committee (2011-2015)

Dr Sally Hunt

Member, APS College of Clinical Psychologists (2013-present)

Member, Society for Mental Health Research (SMHR) (2005-present)

Member, Australian Association for Cognitive and Behavioural Therapy (AACBT) (2006-present)

Full Member, Australian Psychological Society (APS) (2003-present)

Dr Delyse Hutchinson

Co-convener and Member, Longitudinal Studies Network, Australian Research Alliance for Children and Youth (ARACY) (2011-present)

Member, Australian Psychological Society (APS) (2000-present)

Member, Cannabis Cohorts Research Consortium (CCRC) (2006-present)

Executive Committee Member and Co-ordinator, MasterClass Training Series, Longitudinal Studies Network, Australian Research Alliance for Children and Youth (ARACY) (2011-present)

Honorary Research Fellow, Murdoch Children Research Institute, Centre for Adolescent Health, Royal Children's Hospital (2014-present)

Honorary Research Fellow, University of Melbourne, Department of Paediatrics, Royal Children's Hospital (2014-present)

Co-convenor and Member, Lifecourse Sciences Theme, Strategic Research Centre for Social and Early Emotional Development, Faculty of Health, School of Psychology, Deakin University (2015-present)

Collaborating Research Supervisor, Department of Psychology, Macquarie University (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

Member, Grant Review Panel 5E (Project Grants – 2015)

Member, NHMRC Partnership Projects (2015)

Secretary, Executive Committee, Society for Mental Health Research (2014-present)

Board of Directors, International Society for Research on Internet Interventions (2013-present)

Member, NHMRC Research Translation Faculty (2012-present)

Member, Expert Advisory Group, Development of Comorbidity Booklets for the Commonwealth Department of Health and Ageing (2011-present)

Member, Expert Advisory Group – Web Development, National Drug and Alcohol Research Centre, University of NSW (2011-present)

Member, Executive Committee, Special Interest Group on Telephone and Internet Treatment, Australian Psychological Society (2010-present)

Chair, Research Development Grant Program, National Drug and Alcohol Research Centre, University of New South Wales (2010-present)

Member, Centre Management Committee, Centre for Brain and Mental Health Priority Research Centre, University of Newcastle (2010-present)

Member, Research Management Committee, School of Medicine and

Public Health, University of Newcastle (2010-present)

Member, Senior Academic Research Advisory Group, National Drug and Alcohol Research Centre, University of NSW (2009-present)

Dr 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)

Member, Postgraduate Research Symposium Planning Committee, Where the marginal matters: Strengthening trans-disciplinary connections in postgraduate health research on sex, drugs and risk, The Kirby Institute (2015)

Dr Briony Larance

Member, Australasian Professional Society on Alcohol and Other Drugs Conference Scientific Program Committee (2013-present)

Dr Sarah Larney

Assistant Editor, Drug and Alcohol Review (2016-present)

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 (2014-2016)

Dr Christina Marel

Member, APSAD Scientific Review Committee (2016-present)

Member, APSAD Early Career Researcher Committee (2014-present)

Prof Richard Mattick

Member, International Narcotics Control Board, United Nations Office Vienna (2015-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, NSW Mental Health Review Tribunal (2016 – present)

Research Fellow, Black Dog Institute (2016 – present)

Member, UNSW Human Research Ethics Advisory Panel (2015-present)

Assistant Editor, *Addiction* (2010 – present)

Member Beyond Blue Tender Selection Panel: National Mental Health and Wellbeing Study of Police and Emergency Services (2016)

Member, International Society for Traumatic Stress Studies Conference Scientific Review Committee (Clinical/ Intervention) (2016)

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)

Early Career Research awards program co-convener, The Mental Health Services (theMHS) network, (2014-present)

Assistant Editor, *Drug and Alcohol Review* (2015-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 Board Member, *Journal of Substance Abuse Treatment* (2015-present)

Editorial Board Member, *Mental Health Clinician* (2015-present)

Nominated Scientific Expert, CODEMISUSED Project (2014-present)

Member, National Naloxone Reference Group (2015- present)

Member, NHMRC Postgraduate Scholarships Review Panel (2015-present)

Honorary Research Fellow, Drug and Alcohol Services, South Eastern Sydney Local Health District (2012-Present)

Grant reviewer, National Institute for Health Research UK (Evaluation, Trials and Studies) (2014-Present)

Member, Pharmaceutical Society of Australia (PSA) (2008-present)

Member, Australasian Professional Society on Alcohol and other Drugs (APSAD) (2011-present)

Regular Member, College on Problems of Drug Dependence (CPDD) (2012-present)

Member, International Association for the Study of Pain (IASP) (2014-present)

Member, College of Psychiatric and Neurologic Pharmacists (CPNP) (2014-present)

Dr Amy Peacock

Tasmanian Representative, APSAD Council (2015-present)

Member, APSAD Early Career Research Committee (2014-present)

Prof Alison Ritter

Scientific Advisory Committee, UNODC World Drug Report (2015 to 2017)

NHMRC Alcohol Guidelines Expert Committee (2016-present)

Member, Advisory Committee, Centre for Alcohol Policy Research, LaTrobe University (2015 to present)

Vice President, Alcohol and Drug Council of Australia (2011-present)

Immediate Past President, International Society for the Study of Drug Policy (2015-2016)

Member, Board of Directors, Alcohol and Drug Council of Australia (2010-present)

Editor, *Drug and Alcohol Review* (2001-2016)

Associate Editor, *Journal of Drug Policy Analysis* (2010-present)

Associate Editor, *International Journal of Drug Policy* (2011-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 (EU funded) (2011-present)

Chair, Drug Policy Working Group, National Institute on Drug Abuse (NIDA funded) (2011-present)

Member, National Drug Strategy Household Survey Technical Advisory Group (2009-present)

Technical Advisor, International Centre for Science in Drug Policy (2011-present)

Dr Joanne Ross

Assistant Editor, *Addiction* (2006-present)

Member of the Allied Health Worker Advisory Committee, NSW Health (2010-present)

Prof Anthony Shakeshaft

Executive Committee Member, Drug and Alcohol Network, NSW Agency for Clinical Innovation (2015-present)

Research Committee Member, SMART Recovery Australia (2014-present)

Expert Advisory Panel Member, Queensland Alcohol Prevention Service (2014-present)

Member, 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)

Dr Edmund Silins

Member, Australian Health Practitioner Regulation Agency, Nursing and Midwifery (since 1997)

Joint Coordinator of the NDARC Postdoctoral Early Career Researcher Executive Committee (since 2015)

Member of the Society for Mental Health Research (since 2015)

Member of the Public Health Association of Australia (2014)

Investigator, 2000 Stories Study; Murdoch Childrens Research Institute (since 2010)

Longitudinal Studies Network Member, Australian Research Alliance for Children and Youth (since 2008)

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)

Chair, NHMRC/ARC Dementia Early Career Fellowships Panel (2015)

Member, Orygen Research Committee (2015-present)

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

Honorary Associate Appointment, School of Social and Community Medicine, University of Bristol (2013-present)

Honorary Associate Appointment, Department of Psychology, Macquarie University (2012-present)

Member, Anxiety Practitioner's Network Organising Committee (2014-present)

Member, Community Mental Health Drug and Alcohol Research Project Reference Group (2015-present)

Dr Emily Stockings

Society for Mental Health Research (SMHR) Early Career Researcher Committee Executive Member (2016-Present)

The Netherlands Organisation for Health Research and Development, invited external expert grant reviewer (2016-present)

Grant reviewer, Princess Alexandria Hospital Research Scheme (2014-2015)

Community Manager, European Young Epidemiologists (EYE; 2015-Sept 2016)

Invited Expert Panel Member, the United States National Committee for Quality Assurance (NCQA) working group on depression assessment tools (2015-present)

Invited Expert Panel Member, Orygen

Youth Mental Health Research Priorities and Implementation Framework (2015-present)

Dr Matthew Sunderland

Member, NHMRC Research Translation Faculty (2013-present)

Member, Social Psychiatry and Psychiatric Epidemiology editorial advisory board (2013-present)

Ms 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 Cohorts Research Consortium (2006-present)

Member, Expert Working Committee for the NSW Ministry of Health's Older Person's Substance Use Project (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 Cohorts 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*

Dr Louise Thornton

Chair of the Society for Mental Health Research (SMHR) Early Career Researcher Committee (2016-Present)

Member of the International Society for Research on Internet Interventions (ISRII) Early Career Researcher Committee (2016 – Present)

Member of the International Society for Research on Internet Interventions (ISRII) Membership Committee (2016 – Present)

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: Professor Kate Dolan; Dr Nadine Ezard; Dr. Azarakhsh Mokri

Expected Date of submission: Semester 2, 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: Professor Jan Copeland; Dr Mike Le Pelley

Expected Date of submission: Semester 1, 2017

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/Professor Tim Slade; Professor Maree Teesson

Expected Date of submission: Semester 1, 2017

Veronica Boland (2015-present)

Reducing tobacco smoking among low SES smokers

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Richard Mattick; Dr Ryan Courtney

Expected Date of submission: Semester 1, 2018

Kerryn Butler (2014-present)

Hepatitis C testing and treatment intervention among people who inject drugs

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Professor Lucy Burns, A/Professor Carolyn Day, Dr Sarah Larney

Expected Date of submission: Semester 2, 2018

Gabrielle Campbell (2013-2016)

Complexities and comorbidities in people living with chronic non-cancer pain: Suicidality and problematic pharmacetuical opioid use

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Louisa Degenhardt; Professor Shane Darke; A/Professor Raimondo Bruno

Conferred 2016

Katrina Champion (2012-2016)

Paying attention to prevention: An Internet-based framework to address alcohol, cannabis, ecstasy and new psychoactive substance use

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Nicola Newton; Professor Maree Teesson

Conferred 2016

Philip Clare (2016-present)

Issues in mediation analysis and applications to drug and alcohol research

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Professor Timothy Dobbins, Professor Richard Mattick, Professor Raimondo Bruno (UTas)

Expected Date of submission: Semester 2, 2018

Juliana Erthal (2016-present)

Analysis of Global Changes in Opioid Medicine Production and Availability: Country, Regional and International Trends

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Prof Timothy Dobbins, Professor Richard Mattick

Expected Date of submission: TBA

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: Professor Anthony Shakeshaft, Professor Michael Farrell, Dr Julia Lappin, Dr Ryan Courtney, Dr Julaine Allan

Expected Date of submission: Semester 1, 2017

Clara Fritchley (January 2015- present)

Therapeutic alliance between participant and counsellor on NSW Drug Court

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Emma Barrett, A/Professor Katherine Mills

Expected Date of submission: Semester 1, 2020

Lisa Gibson (2015-present)

Development and evaluation of a novel community-based intervention for adolescents facing school-initiated sanctions for cannabis use

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Jan Copeland; Dr Sally Nathan

Expected Date of submission: Semester 1, 2018

Anneliese (Lisa) Hilder (2011-present)

Maternities complicated by mental illness and substance use in the information age

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors A/Professor Lucy Burns, Professor Elizabeth Sullivan (UTS)

Expected Date of submission: Semester 1, 2018

Bianca Hoban (2012-present)

Risks and benefits associated multiple medication use in people with chronic non-cancer pain prescribed opioids

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Louisa Degenhardt, Dr Briony Larance, Dr Suzanne Nielsen ; Dr Natasa Gisev

Expected Date of submission: Semester 2, 2016

Ingrid Honan (2013-present)

The Bayley Scales III- A Quantitative Analysis for Application in an Australian Population Combined Masters and PhD in Neuropsychology at Macquarie University.

Supervisors: Dr Delyse Hutchinson, Professor Melanie Porter

Expected Date of submission: Semester 2, 2017

Douglas James (2016-present)

Examining treatment outcomes for Aboriginal clients of Indigenous drug and alcohol residential treatment services in NSW

Masters by Research in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Anthony Shakeshaft, Dr Courtney Breen

Expected Date of submission: TBA

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: Professor Maree Teesson; Dr Nicola Newton, Lexine Stapinski

Expected Date of submission: Semester 1 2017

Alice Knight (2013-present)

Estimating the costs and benefits of a multi-component intervention for young people with multiple and complex needs

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Anthony Shakeshaft, Dr Alys Havard, Professor Myfanwy Maple

Expected Date of submission: Semester 1 2017

Kari Lancaster (2013-2016)

Social construction and the evidence-based drug policy endeavour

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Alison Ritter; Professor Carla Treloar

Conferred 2016

Gina Lattas (2015-present)

Examining the Relationship Between Post-Traumatic Stress Disorder and Substance Use in People Who Use Pharmaceutical Opioids Compared With Those Who Use Heroin

Full time Masters of Forensic Psychology Student

Supervisors: Dr Suzanne Nielsen; Dr Briony Larance

Expected Date of submission: Semester 2, 2018

Clare McCormack (2012-2016)

Prenatal alcohol exposure and infant cognitive development

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Richard Mattick; Dr Delyse Hutchinson; A/Professor Lucy Burns

Conferred 2016

Richard Mellor (2016-present)

The untreated remission of alcohol problems

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Alison Ritter; Dr Kari Lancaster

Expected date of submission: Semester 2, 2019

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/Professor Tim Slade; Professor Maree Teesson

Expected Date of submission: Semester1 2017

Vivienne Moxham-Hall (2015-present)

Cross-National Comparisons of Drug Policies and their Health and Social Impacts

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Alison Ritter; Dr Caitlin Hughes

Expected Date of submission: Semester 2, 2018

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: Professor Anthony Shakeshaft; Dr Julaine Allan; Dr Courtney Breen

Expected Date of submission: Semester 2, 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: Semester 1, 2018

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/Professor Kath Mills, Professor Maree Teesson

Expected Date of submission: Semester 1, 2017

Larissa Rossen (2012-2016)

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 Lucy Burns; Dr Judy Wilson

Conferred 2016

Amanda Roxburgh (2012-present)

Trends in prescription opioid use and related harms in Australia

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Louisa Degenhardt, Professor Wayne Hall , Associate Professor Lucinda Burns

Expected Date of submission: Semester 1, 2017

Shivanjali Singh (2016-present)

Cannabis and its Acceptance by Patients and Health Professionals (CAPH)

Part-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Dr Suzanne Nielsen, Professor Michael Farrell, Dr Denton Callandar

Expected Date of submission: TBA

Mieke Snijder (2013-present)

Working together with Aboriginal communities: balancing partnerships and rigorous research in the development and evaluation of community-based interventions aiming to reduce alcohol-related harms

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: Professor Anthony Shakeshaft, Dr Bianca Calabria; A/Prof Annemarie Wagemakers

Expected Date of submission: Semester 1, 2017

Rachel Sutherland (2015-present)

New psychoactive substances in Australia

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Professor Lucinda Alleyne Burns, A/Professor Raimondo Bruno, Dr Monica Barratt

Expected Date of submission: Semester 1, 2018

Thu Vuong (2012-2016)

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

Supervisors: Professor Alison Ritter, Marian Shanahan

Conferred 2016

Elizabeth Whittaker (2012-2016)

The association between homelessness and substance abuse

Full-time PhD in the School of Public Health and Community Medicine, UNSW

Supervisors: A/Professor Lucy Burns; Dr Wendy Swift; Professor Paul Flatau

Conferred 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: Dr Frances Kay-Lambkin; Prof Maree Tesson; A/Professor Kath Mills; Professor Amanda Baker; A/Professor Peter Stanwell

Expected Date of submission: Semester 1 2017

Research grants and funding

CORE NDARC FUNDING	FUNDING SOURCE	2016 YEAR GRANT AWARD $	TOTAL GRANT AWARD $	PERIOD	START & END DATE
DoH Core Funding	DoH	2,024,320	2,024,320	1 year	Jul 2016 – Jun 2017
SUB TOTAL FOR CORE FUNDING		**2,024,320**	**2,024,320**		

UNIVERSITY FUNDING SUPPORT	FUNDING SOURCE	2016 YEAR GRANT AWARD $	TOTAL GRANT AWARD $	PERIOD	START & END DATE
NDARC					
Faculty Support for Research Infrastructure	UNSW	1,346,028	1,346,028	1 year	Jan 2016 – Dec 2016
DVC Strategic Support for Research Infrastructure	UNSW	152,542	152,542	1 year	Jan 2016 – Dec 2016
Publications	UNSW	287,565	287,565	1 year	Jan 2016 – Dec 2016
SUB TOTAL FOR NDARC – UNIVERSITY SUPPORT		**1,786,135**	**1,786,135**		
SUB TOTAL FOR NDARC – CORE AND UNIVERSITY SUPPORT		**3,810,455**	**3,810,455**		
Specific Allocations					
Faculty Support for Research Fellowship Projects	UNSW	60,000	60,000	1 year	Jan 2016 – Dec 2016
2016 Goldstar R.Mattick-Low-SES smokers	UNSW	40,000	40,000	1 year	Jan 2016 – Dec 2016
2016 Goldstar R.Mattick Parental Supply of Alcohol	UNSW	40,000	40,000	1 year	Jan 2016 – Dec 2016
Early Career Research Funds	UNSW	115,000	115,000	1 year	Jan 2016 – Dec 2016
EB Gap Funding – Fellowships and Non-Fellowships	UNSW	1,023,006	1,023,006	1 year	Jan 2016 – Dec 2016
Career Advancement Funds –	UNSW	–	–		
Safety Net Support Fellowship for S Larney	UNSW	64,583	64,583	2 years	Mar 2016- Feb 2018
Safety Net Support Fellowship for S.Nielsen		13,502			Dec 2016 – Feb 2017
VC Postdoctoral – L.Thornton	UNSW	10,000	20,000	1 year	Jan 2015 – Dec 2017
VC Postdoctoral – A. Peacock	UNSW	10,000	10,000	1 year	Jan 2016 – Dec 2018
Development and application of the Tobacco and Alcohol Policy Assessment Toolkit (TAPAT) in Australia and China.	UNSW	10,000	10,000	1 year	Jan 2016 – Dec 2016
SUB TOTAL FOR COMMITED – UNIVERSITY SUPPORT		**1,386,091**	**1,382,589**		
SUB TOTAL FOR UNIVERSITY FUNDING SUPPORT		**3,172,226**	**3,168,724**		
TOTAL CORE AND UNIVERSITY FUNDING SUPPORT RECEIVED 2015		**5,196,546**	**5,193,044**		

PROJECT FUNDING* PROJECT TITLE**	FUNDING SOURCE	2016 YEAR GRANT AWARD $	TOTAL GRANT AWARD $	PERIOD	START & END DATE
Understanding the impacts of vaporised nicotine products on smoking in australia	ACCV	5,000	165,000	5 years	Jan 2016 – Dec 2020
Involving children in social research: balancing the risks and benefits	ACU	53,120	82,242	3 years	Jan 2015 – Dec 2017
The deterrent effects of australian drug law enforcement	ARC	64,500	114,500	2 years	Mar 2015 – Mar 2017
Understanding recent Australian trends in alcohol consumption and harms	ARC	80,600	274,600	3	May 2015 – May 2017
The relationship between social phobia, depression, and substance use disorders: the impact on treatment outcomes -phd scholarship for katrina prior.	ARH	1,712	6,471	3 years	Mar 2014 – Dec 2016
The impacts of early-adolescent parental alcohol provision on late-adolescent alcohol outcomes: phase ii of a longitudinal cohort	ARH	69,534	139,068	2 years	Jan 2015 – Dec 2016
Development and evaluation of a novel community-based intervention to reduce cannabis use and associated harms among high risk adolescents – scholarship for lisa webb	ARH	1,712	3,863	2 years	Mar 2015 – Dec 2016
Untangling co-morbidity: substance use and mental health in young Australians – PhD Scholarship for Louise Birrell	ARH	1,712	6,471	3 years	Feb 2014 – Feb 2017
Evaluating the caylus youth worker brokerage	CAYLUS	20,022	57,006	5 years	Apr 2014 – Jun 2019
Drug Policy Modelling program*	CFT	–	7,661,973	8 years	Jan 2006 – Dec 2013
Identifying the social costs of methamphetamine: establishing a methodology to identify the social costs of drugs and alcohol	CUT	77,603	77,603	1 year	Nov 2015 – Jun 2016
Drug trends (idrs, edrs & nidip)	DoH	896,667	6,916,797	5 years	May 2012 – Feb 2017
Outcomes of the review of the drug and alcohol treatment services sector	DoH	19,800	27,460	1 year	May 2015 – Jun 2016
Support services and evaluation of the supporting pregnant women who use alcohol or other drugs: a guide for primary care professionals resource (schedule 10)	DoH	58,745	118,745	1 year	Mar 2016 – Dec 2016
Dissemination of comorbidity guidelines (schedule 12)	DoH	472,861	472,861	3.5 years	Mar 2016 – Aug 2019
Preventions strategies literature review (schedule 13)	DoH	79,978	79,978	1 year	Jun 2016 – Jan 2017
Literature review focusing on the role of communities liquor licensing regulations (schedule 14)	DoH	30,000	30,000	1 year	Jun 2016 – Jan 2017
Positive choices to prevent alcohol and drug-related harms among young aboriginal and torres strait islanders: development and implementation	DoH	443,670	849,741	4 years	Jul 2016 – June 20120
Positive choices: development, maintenance and dissemination of online prevention portal	DoH	247,815	1,134,000	4 years	Jul 2016 – Jun 2020
An integrated online intervention for students and parents to prevent alcohol and cannabis harms among adolescents	DoH	274,032	524,841	4 years	Jul 2016 – Jun 2020
Cracks in the ice – community ice toolkit	DoH	1,350,000	1,843,576	3 years	Jun 2016 – Apr 2019
Health Intervention "SNAP"	DoH	134,846	771,166	2 years	Jul 2016 – Jun 2018

National Cannabis Prevention and Information Centre NCPIC core funding 2010 – 2016	DoH	1,037,439	16,146,630	6.2 years	Nov 2010 – Feb 2017
NCPIC – Communications	DoH	614,262	1,049,661	6 years	Nov 2010 – Jun 2016
NCPIC – Training	DoH	82,133	124,133	6 years	Nov 2010 – Jun 2016
NCPIC – Clinical	DoH	16,167	42,667	6 years	Nov 2010 – Jun 2016
The "Positive Choices" project: Dissemination of illicit drug resources for teachers, parents and students	DoH	99,100	1,468,115	4 years	Jun 2012 – Jun 2016
Opioids in Tasmania*	DoH (TASMANIA)	–	279,974	3.6 years	Aug 2010 – Dec 2013
Aboriginal and Torres Strait Islander peoples' alcohol and other drugs Knowledge Centre	ECU	–	15,000	3 years	Jun 2013 – Jun 2016
Fahcsia evaluation? fwml phd scholarship for alice munro	FWM	40,000	138,500	3 years	Apr 2014 – Jun 2017
Update Global Coverage	FPOS	95,108	95,108	1 year	Nov 2016 – Dec 2017
Development and pilot of online comorbidity tools to improve treatment engagement and effectiveness in mental health and substance abuse problems	HAC	145,876	250,001	2 years	Apr 2015 – Jun 2017
Development of an online intervention program, breaking the ice, to improve help seeking, behavioural and substance use outcomes in young people (aged 16-25 years) using crystal methamphetamine.	HAC	119,300	119,300	1 year	Jan 2016 – Dec 2016
Evaluation of the involuntary drug and alcohol treatment (idat) program	HAC	144,250	250,000	3 years	Apr 2016 – Nov 2018
Hospital-based services*	HAC	–	332,581	4 years	Nov 2010 – Dec 2014
NET PhD Scholarship for Mieke Snijder – Peer mentoring as a strategy to reduce alcohol-related injuries and violence among Aboriginal and Torres Strait Islander youth in rural New South Wales	NDARC	40,000	120,000	3 years	Feb 2014 – Feb 2017
CRE in mental health and substance use: translating innovative prevention and treatment	NHMRC	452,809	2,499,020	5 years	Nov 2012 – Oct 2017
A randomised clinical trial of internet-based treatment for binge drinking and depression in young australians	NHMRC	41,892	909,585	4 years	Apr 2013 – Dec 2016
Internet-based universal prevention for anxiety, depression and substance use in young australians	NHMRC	319,717	1,500,740	5 years	Oct 2012 – Sep 2017
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	NHMRC	230,932	711,430	3 years	Jan 2015 – Dec 2017
Pharmaceutical opioids for chronic non-cancer pain: evaluating health outcomes and economic impact over five years	NHMRC	202,926	775,920	4 years	Jan 2016 – Dec 2019
The radar project: identifying early warning signals on the pathways to alcohol use disorder	NHMRC	149,087	884,321	5 years	Jan 2016 – Dec 2020
A non-inferiority trial of cytisine versus varenicline for smoking cessation.	NHMRC	431,267	1,885,813	4 years	Jan 2016 – Dec 2019
Opioid prescription in Aus	NHMRC	41,275	1,059,308	4.6 years	Jun 2012 – Dec 2016
Treatment services specifications for the ngo drug and alcohol specialist sector in nsw	NADA	122,727	122,727	0.6 year	Jan 2016 – Jun 2016
Reducing alcohol-related injury and violence in rural aboriginal communities	MoH	181,180	929,060	3 years	Jan 2014 – May 2017

Opioid treatment program workshop facilitation	MoH	6,000	6,000	0.2 year	Nov 2015 – Jan 2016
Reducing stigma and discrimination for people experiencing problematic alcohol and other drug use	QMHC	119,255	149,069	1 year	May 2016 – Jan 2017
Opiod substitution treatment*	RB	–	1,048,447	2 years	Sep 2011 – Dec 2013
Social cost of smoking	SI	71,000	71,000	0.4 year	Apr 2016 – Aug 2016
Evidence for the effectiveness of peer-led education for at risk youth: resilience and harm minimisation in alcohol and other drug use	SI	30,000	30,000	0.1 year	May-16
Reducing Risk for Children	SI	26,000	26,000	0.5 year	Aug 2016 – Jan 2017
The funding and delivery of homelessness services: a case study evidence	SUT	–	6,664	1.4 years	Apr 2015 – Aug 2016
Centre of research excellence in evidence-based mental health planning: translating evidence into policy and services	UQ	81,170	324,680	4 years	May 2013 – Sep 2017
An RCT of cannabinoid replacement therapy (Sativex®) for the management of treatment-resistant cannabis dependent patients	USYD	–	27,606	3 years	Jan 2015 – Dec 2017
Advice on data collection of illicit drug use	WSU	2,767	2,767	1 year	Aug 2015 – Jul 2016
SUB TOTAL FOR PROJECTS		**9,327,568**	**54,759,789**		

*includes carry forward amount in 2016 from previous years

SCHOLARSHIPS AND FELLOWSHIPS*	FUNDING SOURCE	2016 YEAR GRANT AWARD $	TOTAL GRANT AWARD $	PERIOD	START & END DATE
Scholarships**					
David Henning Memorial Phd Scholarship top-up for L. Birrell	ARH	2,151	2,151	1 year	Jan 2016 – Dec 2016
Ian Scott Scholarship for L. Webb	ARH	2,151	2,151	1 year	Jan 2016 – Dec 2016
Brain Sciences PhD Scholarship top-up for S. Memedovic	BS	5,000	15,000	3 years	Jan 2013 – Dec 2016
APA PhD Scholarship for K. Lancaster	DET	25,392	76,176	3 years	Mar 2013 – Mar 2016
APA PhD Scholarship for K. Prior	DET	25,392	76,176	3 years	Mar 2014 – Mar 2017
APA PhD Scholarship for L. Albertella	DET	25,392	76,176	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 L. Webb	DET	25,849	77,547	3 years	Mar 2015 – Mar 2018
APA PhD Scholarship for M. O'Reilly	DET	25,392	76,176	3 years	Jan 2014 – Jan 2017
APA Scholarship for L.Gibson	DET	29,000		4 years	Mar 2015 – Mar 2018
Far West Medicare Local PhD Scholarship for A. Munro	FWM	40,000	138,500	3 years	Apr 2014 – Jul 2017
APA Scholarship for P.Clare	NDARC	30,000		3 years	Jan 2016 – Dec 2018

Indigenous Drug and Alcohol Scholarship for A. Knight	NDARC	24,500	89,000	3 years	Aug 2013 – Aug 2016
POINT PhD Scholarship for B. Hoban	NDARC	32,000	128,000	4 years	Mar 2013 – Mar 2017
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 – Aug 2016
NDARC (NET) PhD Scholarship for I. Honan	NDARC	40,000	120,000	3 years	Nov 2013 – Oct 2017
NDARC PhD Scholarship K. Woodcock	NDARC	26,000	78,000	3 years	Jan 2013 – Jan 2016
NDARC PhD Scholarship for M. O'Reilly	NDARC	15,000	45,000	3 years	Feb 2014 – Feb 2017
NDARC (NET) PhD Scholarship for M. Snijder	NDARC	40,000	120,000	3 years	Jan 2014 – Jan 2016
NDARC PhD Scholarship for R. Sutherland	NDARC	26,000	78,000	3 yeas	Mar 2015 – Mar 2018
NDARC PhD Scholarship top-up for S. Memedovic	NDARC	2,272	2,272	3 years	Jan 2013 – Dec 2016
NDARC PhD Scholarship for T. Vuong	NDARC	26,000	78,000	3 years	Feb 2012 – Mar 2016
DPMP PhD Scholarship for V. Moxham-Hall	NDARC	25,849	25,849	1 year	Jul 2015 – Jul 2016
NDARC PhD Scholarship for V. Boland	NDARC	26,000	78,000	3 years	Jun 2015 – Jun 2018
NDARC Masters Scholarship for D. James	NDARC	19,893	26,596	1 year	Apr 2016 – Jun 2017
NDARC Funded Scholarship for R.Mellor	NDARC	26,000		4 years	July 2016 – July 2019
International Postgraduate Scholarship Z. Alam-Mehrjerdi	UNSW	24,653	73,959	3 years	Aug 2013 – Aug 2016
TOTAL SCHOLARSHIPS		**667,278**	**1,714,905**		
DoH Core Funded Scholarships		**411,514**	**1,024,717**	NDARC Scholarships	
ADJUSTED SUB TOTAL SCHOLARSHIPS		**255,764**	**690,188**		

Fellowships**					
Postdoctoral Fellowship L. Mewton	ARH	87,500	150,000	2 years	May 2015 – May 2017
Geoffrey Betts Postdoctoral Fellowship for T. Handley	ARH	75,000	225,000	3 years	Jan 2014 – Dec 2016
Royce Abbey Postdoctorial Fellowship for J. Smith	ARH	75,000	150,000	3 years	Jan 2014 – Dec 2016
Early Career Fellowship for R. Courtney	CINSW	199,813	558,512	3 years	Jul 2015 – Dec 2017
Early Career Fellowship for M. Barratt	NHMRC	76,149	304,596	4 years	Jul 2014 – Aug 2018
Early Career Fellowship for B. Larance	NHMRC	76,149	304,596	4 years	Jan 2014 – Dec 2017
Early Career Fellowship for N. Gisev	NHMRC	77,359	309,436	4 years	Jan 2015 – Dec 2018
Early Research Fellowship for M. Livingston	NHMRC	74,891	299,564	4 years	Jan 2013 – Dec 2016
Early Research 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	Jan 2013 – Dec 2017
Principal Research Fellowship for R. Mattick	NHMRC	142,949	714,745	5 years	Jan 2013 – Dec 2017
Principal Research Fellowship for M. Teesson	NHMRC	147,996	739,980	5 years	Jan 2015 – Dec 2019
Senior Research Fellowship for A. Ritter	NHMRC	116,182	580,910	5 years	Jan 2012 – Dec 2017
Training Fellow – Nielsen, Suzanne	NHMRC	84,870	239,588	3 years	Jan 2014 – Nov 2016
Research Fellow – Kay-Lambkin, Frances	NHMRC	124,531	622,655	5 years	Jan 2016 – Dec 2020
TRIP Fellow – Kay-Lambkin, Frances	NHMRC	87,652	175,303	2 years	Jan 2016 – Dec 2017
Early Career Fellow – Stockings, Emily Alice	NHMRC	65,551	314,644	4 years	Jan 2016 – Feb 2020
NHMRC Early Career Fellow – Peacock, Amy Kathleen	NHMRC	78,661	314,644	4 years	Jan 2016 – Dec 2019
SMHR Early Career Fellow – Stapinski, Lexine Ann	SMHR	100,000	100,000	1 year	Jan 2016 – Dec 2016
SMHR Early Career Fellow – Newton, Nicola Clare Alice	SMHR	100,000	100,000	2 years	Jan 2016 – Oct 2017
SMHR Early Career Fellow – Marel, Christina Alysia	SMHR	100,000	100,000	1 year	Jan 2016 – Dec 2016
Postdoctoral Fellowships – L Thornton	UNSW	117,479	352,794	3 years	Jan 2015 – Dec 2017
SUB TOTAL FELLOWSHIPS		**2,225,571**	**7,671,276**		
TOTAL FOR PROJECTS, SCHOLARSHIPS AND FELLOWSHIPS		**11,808,903**	**63,121,253**		

OTHER INCOME*	FUNDING SOURCE	2016 YEAR GRANT AWARD $	TOTAL GRANT AWARD $	PERIOD	START & END DATE
Royalties	EXT	2,490	6,004	Ongoing	Ongoing
Annual Symposium	NDARC	28,659	28,659	1 year	Jan 2016 – Dec 2016
NDARC External Consultancy Research	NDARC	14,014	29,343	1 year	Jan 2016 – Dec 2016
TOTAL OTHER INCOME		**45,163**	**64,006**		
GRAND TOTAL OF RESEARCH AWARDS TO NDARC		**17,050,612**	**68,378,303**		

**includes carry forward amount in 2016 from previous years

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Conference presentations

Afzali, K., Sunderland, M., Teesson, M., Mills, K., Slade, T. *Comorbidity Between Alcohol Use Disorder and Posttraumatic Stress Disorder: A Network Approach*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Aiken, A., Stockings, E., Knight, A. *Breakout Session One: Issues in Adolescence*. National Drug and Alcohol Research Centre Annual Symposium, 12 September

Alam-Mehrjerdi, Z., Dolan, K. *Cognitive-behavioural therapy as a treatment approach for regular methamphetamine use on methadone program: the first randomised controlled trial*. Iranian National Addiction Congress, Iran, September

Alam-Mehrjerdi, Z., Dolan, K. *Cognitive-behavioural therapy as a treatment approach for regular methamphetamine use on methadone program: the first randomised controlled trial*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Alam-Mehrjerdi, Z., Dolan, K. *Cognitive-behavioural therapy as a treatment approach for regular methamphetamine use on methadone program: the first randomised controlled trial*. International Society for the Study of Drug Policy, Sydney, 17 May

Aldridge, J., Stevens, A., & Barratt, M. *A research agenda for analysing harms and benefits for illicit drug trading*. The 10th Annual Conference of the International Society for the Study of Drug Policy, Sydney, 17 May

Altice, F.A., Azbel, L., Stone, J., Brooks-Pollock, E., Smyrnov, P., Dvoryak, S., Taxman, F.S., El-Bassel, N., Martin, N., Booth, R., Stover, H., Dolan, K., Vickerman, P. *The Perfect Storm: Incarceration and the High Risk Environment Perpetuating HIV, HCV and Tuberculosis Transmission in Eastern Europe and Central Asia*. International AIDS Conference, Durban, 18-22 July

Ayyaz, Z. & Dolan, K. *Narcotics are cheaper than food in Pakistan: Our PWIDS are dying from AIDS*. Oral presentation, MENAHRA, Lebanon, 2016

Ayyaz, Z & Dolan, K. *Young Pakistani girls are at risk of HIV but know nothing about it*. Poster presentation, MENAHRA, Lebanon, 2016

Barrett, E.L., Adams Z, Mills K, Back S.E. *Treating Co-occurring PTSD and Substance Use in Adolescents: Service Provider Perspectives from Australia and the US*. Poster presentation at the International Society for Traumatic Stress Studies, Dallas, US, November

Barratt, M., Seear, K. & Lancaster, K. *A critical examination of the definition of 'psychoactive effect' in Australian drug legislation*. The International Society for the Study of Drug Policy Conference, Sydney, 18 May

Barratt, M., Bruno, R., Ezard, N. & Ritter, A. *Pill testing or drug checking in Australia: Acceptability of service design features*. Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Barratt, M. *Drug safety testing with rapid feedback: Next steps for Australia*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Barratt, M., Seear, K. & Lancaster, K. *From 'harms' to 'effects': A critical analysis of Australian laws designed to regulate new psychoactive substances*. Paper presented at the International Society for the Study of Drug Policy Conference, Sydney, 16-18 May

Birrell, L., Slade, T., Stapinski, L., Champion, K., Conrod, P., Teesson, M., & Newton, N. *Trajectories of change: Emotional symptoms and alcohol use in adolescence*. Oral presentation, Society for Mental Health Research conference, Sydney, December

Birrell, L., Shaw, B., Chapman, C., Newton, N., Slade, T., Andrews, G., Allsop, S., McBride, N., Hides, L., Mewton, L., Te Pas, N., Pocuca, N., Firmin-Sarra, S., Tonks, Z., & Teesson, M. *The CSC Study: An Internet-based universal prevention trial for alcohol, cannabis and mental health problems in adolescence*. Oral presentation, Centre of Research Excellence in Mental Health and Substance Use Annual Colloquium, Sydney, December

Birrell, L., Slade, T., Stapinski, L., Champion, K., Conrod, P., Teesson, M., Newton, N. *Is alcohol use related to changes in emotional problems in adolescence? A latent class growth analysis of emotional problems between 13–16 years*. Poster presentation, National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Birrell, L. *Anxiety disorders and first alcohol use in the general population*, Invited keynote speaker, NSW Drug and Alcohol Nurses Forum, Sydney, Australia, August

Birrell, L., Newton, N., Slade, T., Chapman, C., Andrews, G., Mewton, L., Allsop, S., McBride, N., Hides, L., Te Pas, N., Pocuca, N., Firmin-Sarra, S., Tonks, Z., Shaw, B., Teesson, M. *The Climate Schools Combined (CSC) Study: Internet-based prevention for anxiety, depression and substance use in young people*. Oral presentation, World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Birrell, L., Slade, T., Newton, N., Champion, K., Barrett, E., Kelly, E., Nair, N., Conrod, P., & Teesson, M. *The longitudinal trajectories of internalising symptoms and alcohol use in early adolescence*. Poster presentation, Brain Sciences UNSW Symposium, Sydney, April

Breen, C., Karlsson, A. & Burns, L. *How do services use resources developed for pregnant women who use alcohol and other drugs?* Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Breen, C., Burns, L., Alati, R. Bruno, R., Dietze, P., Lenton, S., Butler, K., Entwistle, G., Roxburgh, A., Stafford, J., Sutherland, R., Van Buskirk, J. *Monitoring psychostimulant use and online markets: data from the EDRS and DNet*. Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Breen, C., & Stafford, J. on behalf of Drug Trends Team. *IDRS Findings 2016*. National Drug and Alcohol

Research Centre Annual Research Symposium, Sydney, 12 September

Brierley, M., Champion, K.E., Teesson, M. & Newton, N. *Prevention in practice: An overview of the Internet-based Climate Schools prevention programs for alcohol and other drugs.* Society for Mental Health Research Conference, Sydney, 8 December

Brierley, M., Champion, K.E., Newton, N., Chapman, C., Stapinski, L., Kay-Lambkin, F., Nair, N., Shaw, B., Lawler S. & Teesson M. *Dissemination of evidence-based resources about crystal methamphetamine: Cracks in the Ice.* Poster presentation at the Society for Mental Health Research Conference, Sydney, December

Brierley, M., Champion, K.E., Newton, N., Stapinski, L., Chapman, C., Kay-Lambkin, F., Nair, N., Shaw, B., Lawler, S. & Teesson, M. *Development of an online toolkit to disseminate evidence-based information about crystal methamphetamine.* Oral presentation at the e-Mental Health International Conference, Newcastle, 17 November

Butler, K., Day, C., Burns, L., & Larney, S. *Hepatitis C Testing In the General Practice Setting for Australians Who Inject Drugs*. Poster presentation at the 5th International Symposium on Hepatitis Care in Substance Users, Oslo, Norway, 7-9 September

Butler, K., Day, C., Burns, L., & Larney, S. *Hepatitis C Testing In the General Practice Setting for Australians Who Inject Drugs*. Poster presentation at the 2016 National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Butler, K., Day, C., Burns, L., & Larney, S. *Hepatitis C Testing In the General Practice Setting for Australians Who Inject Drugs*. Paper presentation at the 2016 Annual Scientific Alcohol and Drug Conference, Sydney, 30 October-2 November

Campbell, G., Bruno, R., Cohen, M., Hall, W., Nielsen, S., Lintzeris, N., Larance, B., Mattick, R.P., Farrell, M., Degenhardt, L. *Defining problematic pharmaceutical opioid use among people prescribed opioids for chronic non-cancer pain: Different measures, same patients?* Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Campbell, G., Bruno, R., Cohen, M., Hall, W., Nielsen, S., Lintzeris, N., Larance, B., Mattick, R.P., Farrell, M., Degenhardt, L. *Defining problematic pharmaceutical opioid use among people prescribed opioids for chronic non-cancer pain: Different measures, same patients?* Poster presented at the College on Problems of Drug Dependence 78th Annual Meeting, Palm Springs, California, 16 June

Campbell, G., Bruno, R., Cohen, M., Hall, W., Nielsen, S., Lintzeris, N., Larance, B., Mattick, R.P., Farrell, M., Degenhardt, L. *Defining problematic pharmaceutical opioid use among people prescribed opioids for chronic non-cancer pain: different measures, same patients?* Poster presentation, National Drug and Alcohol Research Centre Annual Symposium, 12 September

Champion, K.E., Teesson, M., Stapinski, L. & Newton, N.C. *Online prevention of ecstasy and new psychoactive substance use: Two-year outcomes from a cluster randomised controlled trial.* Oral presentation, Society for Mental Health Research Conference, Sydney, 8 December

Champion, K., Newton, N., Chapman, C., Brierley, M., Stapinski, L., Kay Lambkin, F., Nair, N., Shaw, B., Lawler, S. & Teesson, M. *Development of an online toolkit to provide evidence-based information about crystal methamphetamine: Cracks in the Ice.* NHMRC Centre for Research Excellence in Mental Health and Substance Use Annual Colloquium, Sydney, 6 December

Champion, K.E., Teesson, M., Stapinski, L. & Newton, N.C. *Effectiveness of an online school-based prevention program for ecstasy and new psychoactive substances: Two-year outcomes from a cluster randomised controlled trial*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Champion, K.E. Newton, N. Chapman, C. Stapinski, L. Kay-Lambkin, F. Nair, N. Shaw, B. Lawler, S. Brierley, M. Allsop, S McBride N. & Teesson, M. *Developing an online toolkit to disseminate evidence-based information about crystal methamphetamine: Findings from an online Facebook survey.* National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Champion, K.E., Newton, N.C., Barrett, E.L., Slade, T. & Teesson, M. *Psychosocial factors associated with binge drinking and cannabis use among Australian adolescents: A longitudinal investigation.* World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Champion, K., Newton, N.C., Barrett, E.L., Slade, T., Teesson, M. *Psychosocial factors associated with binge drinking and cannabis use among Australian adolescents: A longitudinal investigation*. Oral presentation at the World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Champion, K.E., Teesson, M. & Newton, N.C. *Understanding new psychoactive substance use among young Australians.* UNSW Brain Sciences Symposium, Sydney, April

Chapman, C., Newton, N., Koning, I., Thornton, L., Champion, K., Stapinski, L., Slade, T., Leidl, D., Teesson, M. *Climate Schools Plus (CSP): development of an Integrated online intervention for students and parents to prevent alcohol and cannabis harms among adolescents*. Short Bytes Presentation, NHMRC Centre of Research Excellence in Mental Health and Substance Use Annual Colloquium, The Society for Mental Health Research Conference, Sydney, December

Chapman, C., Lawler, S., Stapinski, L., Newton, N., Reda, B., Kay-Lambkin, F., Teesson, M. *Positive Choices: Evaluation of a drug and alcohol prevention initiative for school communities*. The Society for Mental Health Research Conference, Sydney, December

Chapman, C., Shaw, B., Newton, N., Slade, T., Andrews, G., Mewton, L., Allsop, S., Hides, L., McBride, N., Te Pas, N., Pocuca, N., Firmin-Sarra, S., Tonks, Z., Teesson. M. *The Climate Schools Combined Study (CSC): Internet-based prevention for anxiety, depression and substance use in young people*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Chapman, C., Shaw, B., Newton, N., Slade, T., Andrews, G., Mewton, L., Allsop, S., Hides, L., McBride, N., Te Pas, N., Pocuca, N., Firmin-Sarra, S., Tonks, Z., Teesson. M. *The Climate Schools Combined Study (CSC): Internet-based prevention for anxiety, depression and substance use*

in young people. The Mental Health Services Conference of Australia and New Zealand, Auckland, New Zealand, August

Chapman, C., Slade, T., Swift, W., Teesson, M. *Co-occurring mental health and substance use disorders in young people: an update on prevalence, impact and implications*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Cooper, S., Campbell, G. and Nielsen, S. *Stigma and social support in a cohort of pharmaceutical opioid users in treatment*. Poster presentation, National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Cunningham, E.B. Luciani, F. on behalf of HITS team. *Stable incidence of HCV among people with a history of IDU in an Australian prison 2005*. INSHU, Oslo, 2016

Dalton, K., Smith, J. L. & Rushby, J. A. *Behavioural disinhibition precedes heavy drinking in young adults* (poster), Australasian Professional Society on Alcohol and other Drugs Conference, Sydney, 31 October-2 November

Deady, M., Marel, C., Mills, K., Wilson, J., Kay-Lambkin, F. *National comorbidity guidelines: How eHealth can assist in the management of comorbidity*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Deady, M., Kay-Lambkin, F., Mills, K., Teesson, M. *A controlled trial of an online intervention for co-occurring depression and problematic alcohol use in young people*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Degenhardt, L. *The epidemiology and burden of disease attributable to illicit drug use and dependence – useful for drug policy?* Invited opening plenary presented at the International Society for the Study of Drug Policy conference, Sydney, 15-18 April

Degenhardt, L. *Global burden attributable to injecting drug use: Findings from the Global Burden of Disease Study 2013.* Presentation at the Society for Mental Health Research conference, Sydney, 6-8 December

Dolan, K. *A cup of tea with abandoned angels: Women who use drugs in South Tehran*. Iranian National Addiction Congress, Iran, September

Dolan, K., Wirtz, A., Moazen, B., Ndeffo-mbah, M., Galvani, A., Kinner, S., Courtney, R., McKee, M., Amon, J., Maher, L., Hellard, M., Beyrer, C., & Altice, F. *Global burden of HIV, viral hepatitis and tuberculosis among prisoners, detainees and in compulsory drug detention centres*. Iranian National Addiction Congress, Iran, September

Dolan, K. Wirtz, A. Moazen, B. Ndeffo-mbah, M. Galvani, A. Kinner, S. Courtney, R. McKee, M. Amon, J. Maher, L. Hellard, M. Beyrer, C. & Altice, F. *Global burden of HIV, viral hepatitis and tuberculosis among prisoners, detainees and in compulsory drug detention centres*. International AIDS Conference, Durban, 18-22 July

Ewer, E., Mills, K., Sannibale, C., Teesson, M., Roche, A. *Secondary traumatic stress among alcohol and other drug workers.* Drug and Alcohol Nurses Australasia Annual Conference, Sydney, August

Gates, P.J., Copeland, J. *Survey of Australians Use, Perception and Knowledge of Medicinal Cannabis*. Paper presented at the 38th Annual Society for Mental Health Research Conference, University of Sydney, Sydney, 7-9 December

Gates, P. J., Sabioni, P., Copeland, J., Foll, B. L., & Gowing, L. *Psychosocial Interventions for Cannabis Use Disorder.* Paper presented at the Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 31 October

Gates, P.J., Copeland, J. *Survey of Australians Use, Perception and Knowledge of Medicinal Cannabis*. Paper presented at the Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 1 November

Gibson, L., Rooke, S., Copeland, J. *Development and testing of the first evidence-based smartphone app for the self-management of cannabis use*. Society for Mental Health Research conference, Sydney, 7-9 December

Gisev, N., Pearson, S.A., Blanch, B., Larance, B., Dobbins, T., Larney, S., Degenhardt, L. *Initiation of strong prescription opioids in Australia: cohort characteristics and factors associated with the type of opioid initiated*. International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Dublin, Ireland, 25-28 August

Gisev, N., Pearson, S.A., Blanch, B., Larance, B., Dobbins, T., Larney, S., Degenhardt, L. *Characteristics of a population-based cohort initiating strong prescription opioids in Australia and factors associated with the type of opioid initiated*. Presented at the National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September.

Gisev, N. *Does size really matter? Using big data to examine the patterns and predictors of opioid utilisation in Australia*. Invited presentation at the 2016 Australasian Pharmaceutical Science Association Annual Conference, Sydney, 2-5 December

Howard, M., Barrett, E.L. *The interaction of mental health, substance use and coping on risk of institutional violence*. Annual Corrective Services NSW Psychology Conference, Sydney, September

Hughes, C. *Drug law reform in Australia: Past lessons and future challenges*. Michigan State International Law Review Symposium, Michigan, 19 February

Hughes, C. *Components of good drug policy*. National Drug Summit, Parliament House, Canberra, 2 March

Hughes, C. *Discussant: Drugs and organised crime*. 10th ISSDP Conference, Q Station, Sydney, 15 May

Hughes, C., Moxham-Hall, V., Ritter, A., MacCoun, R. & Weatherburn, D. *The deterrent effects of Australian street-level drug law enforcement on illicit drug offending at outdoor music festivals*. 10th ISSDP Conference, Q Station, Sydney, 18 May

Hughes, C. *Cannabis in Australia: Law and policy Australia and the ACT Canberra Satellite*. National Portrait Gallery of Australia, Canberra, 20 May

Hughes, C., Chalmers, J., Bright, D., & McFadden, M. *Drug trafficking and other forms of organised crime: Links at the Australian border*. 2016 AIC Organised Crime Research Forum, Canberra, 7 June

Hughes, C., Moxham-Hall, V., Ritter, A., MacCoun, R. & Weatherburn, D. *Can police deter drug use and supply at music festivals?* National Drug and Alcohol Research Centre Symposium, Sydney, 12 September

Hughes, C. Moxham-Hall, V., Ritter, A., MacCoun, R. & Weatherburn, D. *Can police deter drug use and supply at music festivals? An assessment of the deterrent effects of Australian*

street-level law enforcement. 29th annual Australian and New Zealand Journal of Criminology Conference, Hobart, 1 December

Hutchinson, D., Wilson, J., McCormack, C., Allsop, S., Najman, J., Elliott, E., Burns, L., Olsson, C., Jacobs, S., Bartu, A., Fiedler, H., Honan, I., Rossen, L., Bucello, C. and Mattick, R.P. *The Triple B Pregnancy Cohort Study: Alcohol use during pregnancy and developmental outcomes in infants at 12-months of age*. Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Hutchinson, D., Spry, S., Hearps, S., Ryan, J., Olsson, C.A., Patton, G. *Prediction of periconception alcohol use from adolescence and young adulthood: A 20-year prospective cohort study*. Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Kamarulzaman, A., Altice, F.L., Reid, S.E., Schwitters, A., Wiessing. L., Verster, A., Bernard, C., Basu, S., El-Bassel, N., & Dolan, K. *Prevention of transmission of HIV, Hepatitis B & C and Tuberculosis in Prison*. International AIDS Conference, Durban, 18-22 July

Kelly, E., Newton, N., Stapinski, L. & Teesson, M. *Long-term Bullying Outcomes of a Personality-Targeted CBT Intervention for Adolescents*. Society for Mental Health Research conference, Sydney, 7-9 December

Kelly, E., Stapinski, L., Newton, N. & Teesson, M. *Bullying Outcomes of a Personality-Targeted CBT Intervention for Adolescents*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Knight, A., Shakeshaft, A., Havard, A., Shakeshaft, B. & Stone, C. *Improving social, economic and health outcomes for high-risk adolescents in remote communities through a process of transdisciplinary research*. The 22nd International Association for Child and Adolescent Psychiatry and Allied Professions World Congress, Calgary, Canada, September

Lancaster, K., Treloar, C. & Ritter, A. *"Naloxone works": The politics of knowledge in 'evidence-based' drug policy*. Paper presented at the International Society for the Study of Drug Policy Conference, Sydney, 16-18 May

Lancaster, K., Seear, K. & Treloar, C. *Laws prohibiting peer distribution of injecting equipment in Australia: A critical analysis of their effects*. Paper presented at the Social Research Conference on HIV, Viral Hepatitis and Related Diseases, Sydney, 1 April.

Larance, B. *The complexities, comorbidities and consequences of pharmaceutical opioids: an update on current Australian research*. Drug and Alcohol Nurses Australia Conference, Sydney, 3 September

Larance, B. *The complexities, comorbidities and consequences of pharmaceutical opioids: an update on current Australian research*. Australian and New Zealand College of Anaesthetists Annual Scientific Meeting, Auckland, 2 May

Larance, B. *The use and unintended consequences of pharmaceutical opioids in Australia: How do we measure problematic use and what is the role of abuse deterrent formulations?* Australian Pain Society Conference 2016, Perth, 14 March

Larney, S., Grebely, J., Degenhardt, L., Amin, J., Law, M., Alavi, M., Dore, G.J. *Exposure to opioid substitution therapy following hepatitis C notification: Implications for provision of antiviral therapies in drug treatment settings*. Australian Professional Society on Alcohol and Drugs Conference, Sydney, 2 November

Larney, S. *Definitions and estimations of populations of people who inject drugs*. Australian Professional Society on Alcohol and Drugs Conference, Sydney, 31 October

Larney, S. *Estimating populations of people who inject drugs with hepatitis C in Australia.* Invited presentation at the Australasian Viral Hepatitis Conference, Gold Coast, 1 October

Larney, S., Peacock, A., Mathers, B.M., Hickman, M., Degenhardt, L. *Systematic review of injecting-related injury and disease among people who inject drugs*. College of Problems on Drug Dependence, Palm Springs, USA, 16 June

Larney, S., Grebely, J., Amin, J., Law, M., Alavi, M., Degenhardt, L., Dore, G.J. *Exposure to opioid substitution therapy after hepatitis C notification*. International Network on Hepatitis in Substance Users, Oslo, Norway, 7 September

Lawler, S., Stapinski, L., Newton, N., Reda, B., Chapman, C., Kay-Lambkin, F., & Teesson M. *Positive Choices: An online drug and alcohol prevention initiative for school communities.* e-Mental Health International Conference, Newcastle, 17-18 November

Lawler, S., Stapinski, L. Newton, N., Reda, B., Chapman, C., Kay-Lambkin, F., & Teesson M. *Positive Choices evidence-based drug education: What can teachers do to prevent drug-related harms?* Congress *of the World Federation for Mental Health*, Cairns, 14 October

Lawler, S., Stapinski, L., Newton, N., Reda, B., Chapman, C., Kay-Lambkin, F., & Teesson, M. *Positive Choices – evaluation of a drug and alcohol prevention initiative for school communities*. Australasian Youth Justice Conference, Brisbane, 13-15 September

Lawler, S., Stapinski, L., Newton, N., Reda, B., Chapman, C., Kay-Lambkin, F., McBride, N., Allsop, S. & Teesson, M. *Positive Choices: evaluation of a drug and alcohol prevention initiative for school communities*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Maddox, A., Barratt, M., Allen, M., & Lenton, S. *Online drug discussion, stigma and social change*. International Conference on Social Media and Society, London, 11 July

Marel, C., Mills, K., Kingston, R., Gournay, K., Deady, M., Kay-Lambkin, F., Baker, A., Teesson, M. *National Comorbidity Guidelines: Guidelines on the management of co-occurring alcohol and other drug and mental health conditions in alcohol and other drug treatment settings*. Conference of the Australasian Professional Society on Alcohol and Other Drugs, Sydney, November

Marel, C., Mills, K., Deady, M., Wilson, J. *National comorbidity guidelines: Guidelines on the management of co-occurring alcohol and other drug and mental health conditions in alcohol and other drug treatment settings*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Marel, C., Mills, K.L., Darke, S., Ross, J., Slade, T., Burns, L., Teesson, M. *Predictors and patterns of long-term heroin use and mental health: findings from the Australian Treatment Outcome Study and implications for service delivery*. World

Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

McCormack, C., Hutchinson, D., Wilson, J., Allsop, S., Najman, J., Elliott, E., Burns, L., Olsson, C., Jacobs, S., Bartu, A., Fiedler, H., Honan, I., Rossen, L., Bucello, C. and Mattick, R.P. *The Triple B Pregnancy Cohort Study: Alcohol use during pregnancy and developmental outcomes in infants at 12-months of age*. The International Marcé Society Biennial Scientific Meeting, Melbourne, 27 September

McCoy, J., Bruno, R. & Nielsen, S. *Attitudes in Australia on the rescheduling of codeine to a prescription-only medication*. National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Mewton, L. *Substance use and mental illness in young people: Using comorbidity to investigate and evaluate novel prevention strategies.* Society for Mental Health Research Conference, Sydney, December

Mewton, L. *The Brain Games Study: Using cognitive training to prevent mental illness in at risk adolescents.* Society for Mental Health Research Conference, Sydney, December

Mewton, L. *The Brain Games Study: Using cognitive training to prevent mental illness in at risk adolescents.* Centre for Research Excellence in Mental Health and Substance Use Annual Colloquium, Sydney, December

Mewton, L. *The Brain Games Study: Using cognitive training to prevent mental illness in at risk adolescents.* International E-Mental Health Conference, Newcastle, November

Mewton, L. *Substance use and mental illness in young people: Using comorbidity to investigate and evaluate novel prevention strategies.* Invited keynote at the Australasian Professional Society for Alcohol and Drugs conference, Sydney, November

Mewton, L. *The psychometric properties of the Kessler Psychological Distress Scale (K6) in a general population sample of adolescents.* Australasian Professional Society for Alcohol and Drugs conference, Sydney, November

Mewton, L., Hodge, A., Gates, N. & Teesson, M. *Mental health and substance use disorders in young people: Using comorbidity to inform epidemiology and novel prevention strategies.* University of NSW Brain Sciences Symposium, University of NSW, Sydney, March

Mills, K. *How do we best treat co-occurring posttraumatic stress disorder and substance use disorders?* Annual Forensic and Clinical Psychology Research Conference, Sydney, October

Mills, K., Marel C. *Guidelines on the management of co-occurring alcohol and other drug and mental health conditions in alcohol and other drug treatment settings*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Mills, K. *Are exposure based therapies efficacious in treating post traumatic stress disorder among people with substance use disorders?* World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Moore, T., O'Donnell, C., Degenhardt, L., Campbell, G., Nielsen, S., & Larance, B. *Physical health and utilisation of alcohol and other drug treatment among a sample of chronic non-cancer pain patients dependent on their opioid medication*. Poster presentation, National Drug and Alcohol Research Centre Annual Symposium, 12 September

Moore, T., O'Donnell, C., Degenhardt, L., Campbell, G., Nielsen, S., & Larance, B. *Physical health and utilisation of alcohol and other drug treatment among a sample of chronic non-cancer pain patients dependent on their opioid medication*. Poster presentation, Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Moxham-Hall, V., & Ritter, A. *Indexes used in the evaluation of alcohol and illicit drug policies*. International Society for the Study of Drug Policy Conference, Manly, 16 May

Munro, A., Shakeshaft, A., & Allan, J. *Nothing changes if nothing changes: Evaluation of a remote Aboriginal Australian residential rehabilitation service.* Presentation at the Global Addiction Conference, Venice, 2-4 October

Munro, A., Bennett, A., Shakeshaft, A., & Allan, J. *Nothing changes if nothing changes: Evaluation of a remote Aboriginal Australian residential rehabilitation service.* Presentation at the National Indigenous Drug and Alcohol Conference, Glenelg, 12-14 October

Newton, N.C., Teesson, M., Slade, T., Stapinski, L., Carragher, N., Champion, K., Barrett. E. L. Kelly, E., Nair, N. & Conrod, P. *Reducing alcohol use, alcohol-related harms, internalising and externalising problems among high-risk adolescents: Three-year outcomes of selective, personality-targeted prevention*. Oral presentation at the World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Nielsen, S., Peacock, A., Lintzeris, N., Bruno, R., Larance, B. and Degenhardt, L. *Overdose knowledge and perceptions of take-home naloxone for patients with chronic non-cancer pain*. Australasian Professional Society on Alcohol and other Drugs Conference, Sydney, 2 November

Nielsen, S., Menon, N., Larney, S., Farrell, M. and Degenhardt, L. *Community pharmacy as a partner in naloxone supply*. Australasian Professional Society on Alcohol and other Drugs Conference, Sydney, Australia, 2 November

Nielsen, S. *Codeine Dependence: Characteristics and Treatment with buprenorphine*. Australasian Professional Society on Alcohol and other Drugs Conference, Sydney, 30 October

Nielsen, S., Sabioni, P., Trigo, J., Ware, M., Betz-Stablein, B., Murnion, B., Lintzeris, N., Khor, K.E., Farrell, M., Smith, A. and Le Foll, B. *Opioid-sparing effects of cannabinoids: a systematic review and meta-analyses*. Poster presented at the 16th World Congress on Pain, Yokohama, Japan, 30 September

Nielsen, S., Menon, N., Peacock, A., Bruno, R., Lintzeris, N. & Degenhardt, L. *Knowledge of opioid overdose and attitudes towards naloxone among chronic pain patients prescribed opioids.* Poster presented at the 16th World Congress on Pain, Yokohama, Japan, 26-30 September

Nielsen, S. *Over-the-counter naloxone supply: Are community pharmacists ready?* National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Nielsen, S. *Scaling up community pharmacy supply of naloxone*. Colloquium for the Centre for Research Excellence into Injecting Drug Use, 31 August

Nielsen, S., Larance, B., Degenhardt, L., Gowing, L. & Lintzeris, N. *A systematic review*

of opioid agonist treatments for pharmaceutical opioid dependence. Paper presented at the College on Problems of Drug Dependence 78th Annual Meeting, Palm Springs, California, 15 June

Nielsen, S., Menon, N., Larney, S., Farrell, M. & Degenhardt L. *Community Pharmacist Knowledge Attitudes And Confidence Regarding Naloxone For Overdose Reversal*. Paper presented at the National Institute on Drug Abuse (NIDA) International Forum, Palm Springs, 13 June (Poster presented and travel award recipient)

Nielsen, S. & Gill, T. *Problematic use of prescription medication: integrating research findings into practice approaches*. NADA conference, Sydney, 7 June

O'Reilly, M., Hughes, C., & Chalmers, J. *Supply changes in Australia's ecstasy market: A re-emerging market?* National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

O'Reilly, M., Hughes, C., & Chalmers, J. *Supply changes in Australia's ecstasy market: A re-emerging market?* ANZSOC conference, Hobart, 1 December

O'Reilly, M., Hughes, C., & Chalmers, J. *Australian border supply trends of meth/amphetamine 2002-2014: End-product and precursors*. ISSDP conference, Sydney, 17 May

Peacock, A., Bruno, R., Larance, B., Lintzeris, N., Ali, R., Oen, D., Sotade, O., White, N., & Degenhardt, L. *Same-day use of opioids and depressants: A retrospective diary study.* Oral presentation at The College on Problems of Drug Dependence Annual Meeting, Palm Springs, USA, 16 June

Peacock, A., Bruno, R., Wilson, J., McCormack, C., Hutchinson, D., & Mattick, R.P. *Trajectories of caffeine use through pregnancy and associations with birth outcomes: A prospective cohort study*. Poster presentation at the Annual International Women's and Children's Health and Gender (InWomen's) Conference, Palm Springs, USA, 10 June

Peacock, A., Bruno, R., Larance, B., Oen, D., Sotade, O., Lintzeris, N., Ali, R., White, N., & Degenhardt, L. *The introduction of a potentially tamper-resistant oxycodone formulation: Findings from the Australian National Opioid Medication Abuse Deterrence (NOMAD) study*. Oral presentation at the Alcohol Tobacco and Other Drug Council (Tas) Inc Conference, Hobart, Tasmania, 12 May

Peacock, A., Hutchinson, D., Bruno, R., Wilson, J. McCormack, C., & Mattick, R.P. *Trajectories of caffeine use through pregnancy and associations with birth outcomes: A prospective cohort study*. Poster presentation at the International Women's and Children's Health and Gender Group Conference, Palm Springs, US, 10 June

Prior, K., Mills, K., Ross, J., & Teesson, M. *Impact of social phobia on treatment outcomes for depressed substance users*. Oral presentation, Society for Mental Health Research, Sydney, December

Prior, K., Ross, J., Mills, K., & Teesson, M. *Does comorbid social phobia moderate treatment outcomes for depressed substance users?* Oral presentation, National Drug and Alcohol Research Centre Annual Symposium, Sydney, 12 September

Prior, K., Ross, J., Mills, K., & Teesson, M. *Social phobia: Associations with outcomes for depressed substance users*. Oral Presentation, World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Prior, K., Ross, J., Mills, K., & Teesson, M. *Depressed, substance dependent individuals with and without social phobia: Occurrence and clinically important differences*. Oral Presentation, World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Prior, K., Ross, J., Mills, K., Teesson, M. *Does Comorbid Social Anxiety Moderate Treatment Outcomes for depressed substance users*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Prior, K., Ross, J., Mills, K., & Teesson, M. *The socially anxious and depressed substance user: Prevalence and correlates*. Poster Presentation, UNSW Brain Sciences Annual Symposium, April

Ritter, A. Hoang, P. Lam Cao, V. Shanahan, M. Shukla, N., Perez, P. Farrell, M. *Modelling heroin careers over 40 years: social costs*. 2016 CPDD Poster presentation, Palm Springs, USA, 15 June

Ross, J. Teesson, M., Lejuez, C., Mills, K. Kaye, S., Brady, K. & Dore, G. *The efficacy of behavioural activation treatment for co-occurring depression and substance use disorder: The ACTIVATE study*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Roxburgh A., Stafford J. & Breen C. on behalf of Drug Trends Team. *EDRS Findings 2016*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Rubenstein, L., Amon, JJ., McLemore, M., Eba, P., Dolan, K., Lines, R., Beyrer, C. *HIV, prisoners and human rights*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Rubenstein, L., Amon, JJ., McLemore, M., Eba, P., Dolan, K., Lines, R., Beyrer, C. *HIV, prisoners and human rights*. International AIDS Conference, Durban, 18-22 July

Shaw, B., Newton, N., Slade, T., Chapman, C., Andrews, G., Birrell, L., Tonks, Z., Allsop, S., Hides, L., McBride, N., Mewton, L., Te Pas, N., Firmin-Sarra, S., Pocuca, N., & Teesson, M. *Baseline characteristics of The CSC Study: An innovative internet-based universal prevention trial for alcohol, cannabis and mental health problems in adolescents*. Oral presentation at the Brain Sciences UNSW Symposium, Sydney, April

Shaw, B., Slade, T., Newton, N., Chapman, C., Andrews, G., Birrell, L., Allsop, S., Hides, L., McBride, N., Mewton, L., Te Pas, N., Firmin-Sarra, S., Pocuca, N., & Teesson, M. *Drug and alcohol use and mental health problems among young Australians: A comparison of the Climate Schools Combined study and nationally representative studies*. Poster presentation at the World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Shaw, B. *Using Epidemiology to Guide Behaviour Change and Prevention Strategies for Anxiety, Depression and Substance Use*. Invited conference chair at the World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Shaw, B., Slade, T., Newton, N., Chapman, Mewton, L., Andrews, G., Allsop, S., Hides, L., McBride, N., Birrell, L., Te Pas, N., Firmin-Sarra, S., Pocuca, N. & Teesson, M. *Drug and alcohol use and mental health problems among young Australians: A comparison of the*

Climate Schools Combined study and nationally representative studies. Oral Presentation at the Australiasian Professional Society on Alcohol and Other Drugs, Sydney, October

Shaw, B., Newton, N., Slade, T., Andrews, G., Mewton, L., Allsop, S., Hides, L., McBride, N., Birrell, Te Pas, N., Pocuca, Firmin-Sarra, S., Tonks, Z. & Teesson, M. *The Climate Schools Combined (CSC) study: Internet-based prevention for anxiety, depression and substance use in young people*. Oral presentation at the E-Mental Health Conference, University of Newcastle, November

Shaw, B., Thornton, L. & Kay-Lambkin, F. *Gotta cure them all: The mental health impact of Pokemon*. Oral presentation at the Society of Mental Health Research conference, Sydney, 7-9 December

Shaw, B., Slade, T., Newton, N., Chapman, Mewton, L., Andrews, G., Allsop, S., Hides, L., McBride, N., Birrell, L., Te Pas, N., Firmin-Sarra, S., Pocuca, N., Tonks, Z. & Teesson, M. *The Climate Schools Combined (CSC) Study: Internet-based prevention for anxiety, depression and substance use in young people.* Oral presentation at the Society of Mental Health Research conference, Sydney, 7-9 December

Sim, K., Siero, W., Hutchinson, D., Olsson, C., & Allen, K. *ActEarly: An Australia and New Zealand collaborative research initiative*. The DOHAD Society of Australia and New Zealand Annual Conference, Adelaide, 23-24 June

Snijder, M., Shakeshaft, A., Stone, C. and Calabria, B. *The systematic development of community-based programs with Aboriginal people in three regional communities in Australia*. Oral presentation at the 22nd IUHPE World Conference on Health Promotion, Curitiba, Brazil, 22-26 May

Stapinski, L. Heron, J., Baillie, A., Newton, N., Edwards, A., Hickman, M. & Teesson M. *Making InroADs to understand and interrupt the cycle of Anxiety and Drinking*. Society of Mental Health Research conference, Sydney, 7-9 December

Stapinski, L. Newton, N., Lawler, S., Chapman, C., Kay-Lambkin, F., & Teesson M. *Positive Choices: Translation of evidence-based drug and alcohol prevention in schools*. NHMRC Symposium on Research Translation, Melbourne, 23 November

Stapinski, L. Newton, N., Slade, T., Champion, K.E., Kelly, E., Barrett, E., Nair, N., Conrod, P. & Teesson M. *Why do adolescents drink? Understanding the relationship between internalising and externalising symptoms and motives for alcohol use*. World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

Stockings, E., Lee, Y.Y., Barendregt, J., Degenhardt, L., Ferrari, A.J., Mihalopoulos, C., Patton, G., & Whiteford, H. *The efficacy and population cost-effectiveness of school-based interventions to prevent depression among children and adolescents in Australia*. International Congress on Clinical and Health Psychology in Children and Adolescents, Barcelona, 17-20 November (Awarded Black Puppy Foundation Award)

Stockings, E., Gibson, G., Scott, J., Patton, G., & Degenhardt, L. *Preventing externalising disorders and symptoms in children and adolescents: A systematic review and meta-analysis of universal, selective and indicated prevention*. International Congress on Clinical and Health Psychology in Children and Adolescents, Barcelona, 17-20 November (Awarded Black Puppy Foundation Award)

Stockings, E., Hall, W., Lynskey, M., Morley, K., Reavley, N., Strang, J., Patton, G., & Degenhardt, L. *Prevention, early intervention, harm reduction and treatment of substance use in young people.* Breakout session: Issues in Adolescence, National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Smith, J.L., Mattick, R.P. & Sufani, C. *Error detection but not behavioural inhibition intact in young heavy drinkers*. Australasian Society for Psychophysiology Conference, Adelaide, 12-14 December

Smith, J.L., Dash, N., Johnstone, S.J., Houben, K. & Field, M. *Can a new form of inhibitory training reduce heavy drinking?* Australasian Professional Society on Alcohol and other Drugs Conference, Sydney, 31 October-2 November

Smith, J.L., Iredale, J.M. & Mattick, R.P. *Heavy alcohol use is not associated with disinhibition in young males*. Inter-university Neuroscience and Mental Health Conference, Sydney, 20-21 September

Smith, J.L., Mattick, R.P.& Sufani, C. *Error detection but not behavioural inhibition intact in young heavy drinkers*. Inter-university Neuroscience and Mental Health Conference, Sydney, 20-21 September

Smith, J.L., Iredale, J.M. & Mattick, R.P. *Heavy alcohol use is not associated with disinhibition in young males*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Smith, J.L., Iredale, J.M. & Mattick, R.P. *Heavy alcohol use is not associated with disinhibition in young males* (poster). Brain Sciences UNSW Symposium, Sydney, 21 April

Sunderland, M., Afzali, K., Crome, E., Baillie, A., & Slade, T. *The Social (fear) Network: a network approach to examining the relationship between social and performance fears*. Society for Mental Health Research conference, Sydney, 9 December

Sunderland, M. *Adaptive tests for internalising and externalising: efficiency measuring broad levels of psychopathology.* Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 1 November

Sunderland, M., Slade, T., Krueger, R. F., Markon, K., Patrick, C., & Kramer, M. *Efficiently measuring liability to externalizing behaviours: development of the Externalizing Spectrum Inventory-Computerised Adaptive Test (ESI-CAT)*. UNSW Brain Sciences Symposium, Sydney, 21 April

Stafford, J., Burns, L. & Breen, C. *Drug use and harms among people who inject drugs in Australia: Findings from the 2016 Illicit Drug Reporting System (IDRS).* Poster presentation at the Australasian Professional Society on Alcohol and other Drugs conference, Sydney, 30 October-2 November

Sutherland, R., Barratt, M. J., Burns, L., & Bruno, R. *New Psychoactive Substances: Purchasing and supply patterns*. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Todd, S. Gates, P. & Copeland, J. *Survey of Australians knowledge, perception and use of cannabis for medicinal purposes*. Poster presented at the National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Wilson, J., Marel, C., Mills, K. *Online comorbidity training program:*

Translating the guidelines into an e-learning format. National Drug and Alcohol Research Centre Annual Research Symposium, Sydney, 12 September

Woodcock, K., Kay-Lambkin, F., Mills, K., Baker, A., Teesson, M., Stanwell, P. A *Meta-analysis of treatments for trauma: what role does exposure play?* World Congress of Behavioural and Cognitive Therapies, Melbourne, 22-25 June

NDARC Seminar Series

External Presenters

4 February

Roads to recovery? Social control, public health and the current state of English drug policy

Professor Alex Stevens

University of Kent, UK

10 March

Ted Noffs Foundation: Overview of programs and initiatives

Kieran Palmer

Clinical Services Manager, Ted Noffs Institute

17 March

Neurocognitive insights into addiction

A/Professor Maartje Luijten

Behavioural Science Institute, Radboud University, Nijmegen, Netherlands

24 March

Development of patient reported outcome measures (PROMs) in addiction science

Professor Joanne Neale

Addictions Department, Kings College, London

14 April

Transforming the story of medicinal cannabinoids: from Rope to Dope to Hope

A/Professor Dr David Allsop & A/Professor Jonathan Arnold

Lambert Initiative for Cannabinoid Therapeutics, University of Sydney

29 September

Trauma amongst the homeless

Dr Elizabeth Conroy

Centre for Health Research, University of Western Sydney

10 November

Structured Searching with Ovid Databases – tools and strategies for more effective research

James Taylor

Implementation & Training Manager for Wolters Kluwer Health on Learning, Research and Practice LRP, Asia-Pacific

24 November

The role of drug user representative organisations and user engagement in research

Dr Mary Harrod

NSW Users & AIDS Association

Internal Presenters

25 February

Hurt people who hurt people: The vicious cycle of trauma, substance use and aggression

Dr Emma Barrett

21 April

Naloxone works: The politics of knowledge in 'evidence-based' drug policy

Kari Lancaster

8 September

Who says what? A mixed methods analysis of a single users based cryptomarket discussion board on the darknet

Sundresan Naicker

15 September

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

Professor Cath Chapman

22 September

The importance and use of interrupted time series analysis for drug and alcohol research

Professor Timothy Dobbins

13 October

Psychosocial Interventions for Cannabis Use Disorder

Professor Jan Copeland

20 October

Error detection but not behavioural inhibition intact in young heavy drinkers

Dr Janette Smith

17 November

Yes, people can die from opiate withdrawal

Shane Darke

8 December

The impact of an Aboriginal-led, community-based trial to reduce alcohol related harms in Aboriginal communities in NSW

Professor Anthony Shakeshaft, Mieke Snijder & Aboriginal community-coordinators

Lectures, Workshops and Seminars

Aldridge, J., Stevens, A., & Barratt, M. *Marketplace regulatory effects on drug quality, price and transactional risk*. The Victorian Substance Use Research Forum, Melbourne, 20 May

Barrett, E.L., *Treating co-occurring PTSD and substance use among adolescents*. Invited lecture for the Drug Abuse Research Training Program at the Medical University of South Carolina, Charleston, US, July

Barrett, E.L. *Hurt people who hurt people. The destructive cycle of trauma, substance use and violence*. Invited presentation for Psychiatry Grand Rounds at the Medical University of South Carolina, Charleston, US, April

Barratt, M. *Decriminalisation of drug use and possession in Australia*. Harm Reduction Victoria's Drug Law Reforum: Put the 'U' in Drug Law Reform, Melbourne, 14 October

Barratt, M. *Drug safety testing with rapid feedback: Next steps for Australia*. DANA NSW 2016: Drug and Alcohol Nurses Forum, Sydney, 12 August

Barratt, M. J. *Monitoring the use of new psychoactive substances through voluntary user-submitted drug testing*. St Vincent's Learning Network, Sydney, 9 May

Barratt, M. J. *A primer: Illicit drug markets on the darknet.* Royal Australian College of General Practitioners, Victoria Drug and Alcohol Committee, Melbourne, 17 February

Barrett, E.L., Back, S.E. *Prevalence and psychotherapeutic treatment of co-occurring PTSD and substance use disorder*. Oral presentation at the American Society of Addiction Medicine (ASAM) State of the Art Course in Addiction Medicine, Washington DC, US, October

Birrell, L., *'Young Australians: Anxiety, depression and alcohol use. Why should we care? And what should we do?*, Invited presentation, Rotary Club of Parramatta, Australia, March

Breen, C. on behalf of the Drug Trends Team. *Targeted surveys: Findings of the 2016 Australian Ecstasy and related Drugs Reporting System*. Invited presentation at European Monitoring Centre for Drugs and Drug Addiction (EMCDDA): Prevalence and patterns of drug use among the general population Expert Meeting, Lisbon, Portugal, 19-20 September

Breen, C. and Roxburgh, A. on behalf of the Drug Trends Team. *Australian Illicit Drug Reporting System: 2016 Findings*. Invited presentation at European Monitoring Centre for Drugs and Drug Addiction (EMCDDA): Problem Drug Use Expert Meeting, Lisbon, Portugal, 20-21 September

Breen, C. *Impact of alcohol and other drug use on the unborn baby.*Ausmed Education: Midwifery Challenges CPD Conference, Sydney, 27-27 May

Breen, C. *Working with pregnant women who use alcohol and other drugs*. NADA What's Gender Got to Do with It? A forum on improving outcomes for women in AOD treatment, Sydney, 22 March

Breen C. *Effects of alcohol on the unborn child.* Ausmed Education: Nursing School Aged Children, Sydney, 10 March

Breen C. *Resources developed for health professionals for pregnant women who use alcohol and other drugs*. Odyssey House, Sydney, 7 September

Breen, C. *Resources developed for health professionals for pregnant women who use alcohol and other drugs* Kamira, Central Coast, 6 September

Breen, C. *Framework of care for supporting pregnant women who use alcohol and other drugs*. Jarrah House, Sydney, 7 June

Champion, K.E. *How can teachers respond to the challenge of 'legal highs': evidence-based prevention for new and emerging drugs.* Positive Choices webinar series, 25 October

Chapman, C. *Career Interrupted: relaunching an academic career after a 6.5 year break*. Invited presentation, Early Career Researcher Meeting, Black Dog Institute, Sydney, August

Degenhardt, L. *Update on the substance use disorders workgroup.* Invited paper presented at the World Mental Health Survey Consortium meeting, Boston, United States, July 8-11th 2016.

Degenhardt, L. *Global burden attributable to injecting drug use: Findings from the Global Burden of Disease Study 2013.* Invited paper presented at the National Addiction Centre, London, 20 September

Degenhardt, L. *The epidemiology and burden of disease attributable to illicit drug use and dependence – useful for drug policy?* Invited presentation presented at Public Health England, 21 September

Dolan, K. *Alternatives to incarceration*. Regional Capacity Building Workshop for Management and Care of Substance Use Disorders, Abu Dhabi, November

Dolan, K. *Services for women, prisoners and youth*. Regional Capacity Building Workshop for Management Substance Use Disorders, Abu Dhabi, November

Hughes, C. *Drug laws and drug law reform in Australia: Policy dilemmas and real world impacts*. RAND DPRC Seminar, Santa Monica, USA, 23 February

Hughes, C. *Approaches to Policing and Safety at Music Festivals: Do Police Dogs Help?* Commonwealth Department of Health, Canberra, 13 December

Lancaster, K. *Drug dogs unleashed: policy processes, politics and 'evidence-based drug policy'*. Invited guest lecture at the School of Social Sciences, UNSW, Sydney, 8 August

Lancaster, K. *Examining the introduction of drug detection dogs for street-level policing of drugs in NSW*. Invited guest lecture at the School of Public Health and Community Medicine, UNSW, Sydney, 18 April

Newton, N.C. *Addiction prevention in youth*. Invited plenary at the 2016 World Congress of Behavioural and Cognitive Therapies, Melbourne, June

Newton, N.C. & Stapinski, L. *Overview, update and future directions for the prevention of substance use and related harms among young people*. Invited plenary

at the Mental Health Services (theMHS) Summer Forum, Sydney, 19 February

Nielsen, S. *Community pharmacist supply of take-home naloxone for overdose reversal.* University of Auckland Pharmatell Seminar, Auckland, New Zealand, 29 November

Nielsen, S. *Harm reduction and pharmacy.* Guest Lecture (3rd Year Pharmacy Students), Monash University, Pharmacy and Pharmaceutical Science, 19 April

Nielsen, S. *Pharmaceuticals in Australia: Use, harms and monitoring.* Canadian Prescription Monitoring Program Research Network, Toronto, Canada, 4 March

Nielsen, S. *Opioid Agonist Treatments for Pharmaceutical Opioid (PO) Dependence.* Grand Round, Centre for Addiction and Mental Health, Toronto, Canada, 3 March

Prior, K., Ross, J., Mills, K., & Teesson, M. *The cycle of co-occurring substance use and mental health: Can we make a difference?* Invited guest speaker at the Rotary Health Institute, Sydney, September

Ritter, A. *What keeps me up at night?* UNSW Unsomnia: https://youtu.be/Ci60hOKTtpE, UNSW, Sydney, 1 December

Ritter, A. *Party playgrounds: changes in LGBTI drug use in Sydney with insights from the London experience.* ACON Community Event (Moderator), 27 October

Ritter, A. *Translating research into policy: issues and challenges for researchers.* UNSW Law – Criminal Justice and Criminology Cluster seminar, 24 October

Ritter, A. *Putting the U in Drug Law Reform.* Harm Reduction Victoria: Forum focusing on the upcoming Victoria Parliamentary Inquiry into illicit and synthetic drugs and prescription medication (Moderator), 14 October

Ritter, A. *NSW PHN Drug and alcohol workshop* (Presenter), 29 August

Ritter, A. Presentations on project work to the QIT Committee, NSW Ministry of Health, 25 August

Ritter, A. NSW Harm Minimisation Summit, Cross-Party Roundtable (Facilitator), NSW Parliament, Sydney, 11 August

Ritter, A. *Where there's smoke: Australian cannabis use and policies.* Keynote address College of Problems on Drug Dependence (CPDD) President's Lecture, Palm Springs, USA, 12 June

Ritter, A. One-day workshop for ACT Health and ATODA on treatment service planning using DA-CCP, Canberra, 20 April

Ritter, A. Australian Parliamentary Drug Summit (Facilitator). Australian Parliament House, Canberra, 2 March

Ritter, A. Drug law reform webinar. https://vimeo.com/155610477, February

Ritter, A. One-day workshop for MHDAO: *Training and workforce issues for the OTP program in NSW*, Sydney, 28 January

Stapinski, L. *Psychology and the Prevention and Treatment of Drug and Alcohol Problems.* Invited Lecture to students from the undergraduate course Research and Applications in Psychology at the University of New South Wales, Sydney, August

Stapinski, L. Newton, N., Lawler, S., Kay-Lambkin, F., Chapman, C. & Teesson M. *Positive Choices: Harnessing technology to translate evidence-based drug and alcohol prevention.* Pre-conference workshop for the Society for Mental Health Research, Sydney, 7-9 December

Stapinski, L. & Lawler, S. *Positive Choices evidence-based drug education: What can teachers do to prevent drug-related harms?* Workshop at the PDHPE Teachers Association Annual State Conference, Newcastle, 14-15 October

Stapinski, L. *Overview of school-based drug education: What can teachers do to prevent drug-related harms?* Invited Lecture to students from the undergraduate course Health in Schools and Educational Settings at the University of New South Wales, Sydney, September

Stapinski, L. & Lawler, S. *'Ice' and other drug use among young people: what can teachers do to prevent the harms?* Workshop at the Peak Phys Ed Conference, Sydney, 25 July

Stockings, E. *Insider's guide to systematic reviews and meta-analyses: tips, tricks and practical solutions.* Invited presentation at the University of Newcastle, Health and Clinical Research Group, Callaghan, 27 April

Sunderland, M. *Assessing with efficiency: advances in the measurement of mental and substance use disorders.* Invited webinar at the Centre for Research Excellence in Mental Health and Substance Use Webinar program, Sydney, 18 August

About the Centre

The Office of the Director

The Office of the Director is the major decision-making body within NDARC. This group convenes to facilitate effective management of the Centre, as well as making executive decisions on strategic research directions, and other relevant matters.

Office of the Director members:

Director
Professor Michael Farrell

Assistant Directors
Professor Alison Ritter
Professor Anthony Shakeshaft

Centre Operations Manager
Ms Karen Hill *(Maternity leave)*
Ms Swati Srivastava *(Acting)*

Media Communications Manager
Ms Marion Downey

Strategic Advisory Committee (SAC)

The Strategic Advisory Committee is a group of senior academic staff whose function is to provide strategic advice to the Office of the Director, relating to research directions. The Committee was formed in June 2012.

Members:

Professor Michael Farrell

Associate Professor Lucinda Burns

Professor Jan Copeland

Professor Shane Darke

Professor Louisa Degenhardt

Associate Professor Timothy Dobbins

Professor Kate Dolan

Ms Marion Downey

Ms Karen Hill

Associate Professor Frances Kay-Lambkin

Professor Richard Mattick

Associate Professor Kath Mills

Professor Alison Ritter

Professor Anthony Shakeshaft

Ms Swati Srivastava

Associate Professor Tim Slade

Professor Maree Teesson

NDARC Advisory Board 2016

In 2016 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

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

Professor Nicholas Fisk
Deputy Vice Chancellor (Research), University of New South Wales

Professor Sean Emery
Deputy Dean (Research), Faculty of Medicine University of New South Wales

NDARC
National Drug &
Alcohol Research Centre

The Difference is Research

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