



national drug research institute



Preventing harmful drug use in Australia



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Curtin University

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The National Drug Research Institute at Curtin University is supported by funding from the Australian Government under the Drug and Alcohol Program

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CRICOS Provider Code 00301J

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The National Drug Research Institute (NDRI) is one of the largest centres of alcohol and other drug research expertise in Australia.

NDRI is based at Curtin University in Perth, Western Australia. NDRI is an integral part of the national strategy aimed at minimising the harm associated with legal and illegal drug use in Australia.

Our role is to conduct and disseminate high quality research that contributes to effective policy, strategies and practice to prevent and reduce harmful alcohol and other drug use. Our research is complemented by the work of the National Drug and Alcohol Research Centre (NDARC) at the University of New South Wales, the National Centre for Education and Training on Addiction (NCETA) at Flinders University, and the National Centre for Youth Substance Use Research (NCYSUR) at the University of Queensland.

NDRI is supported by core funding from the Australian Government under the Drug and Alcohol Program and also receives significant funding from Curtin University. Additional competitive funds are attracted from a range of state, national and international funding bodies such as the National Health and Medical Research Council (NHMRC) and the Australian Research Council (ARC).

Mission

Our mission is to conduct and disseminate high quality research that supports evidence informed policy, strategies and practice approaches to prevent and minimise alcohol and other drug-related health, social and economic harms among individuals, families and communities in Australia.

Key Result Areas

Conduct research that contributes to the evidence base to support policy, strategies and practice to prevent and reduce alcohol and other drug-related health, social and economic harm.

Contribute to enhancing the national capacity for research and engage with key groups to translate research findings to policy, strategies and practice.



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Advisory Board

The NDRI Advisory Board reflects our national scope, comprising members from around Australia. Members are drawn from stakeholders including Aboriginal Australians, law enforcement, non-government services, public health, the wider community, consumers, academia and research. The role of the Advisory Board is to support and advise the Director in the effective governance of the Institute.



Dr Michael Moore AM PhD (Chair)

Distinguished Fellow, The George Institute
Adjunct Professor University of Canberra



Prof Archie Clements

Pro Vice Chancellor
Faculty of Health Sciences, Curtin University



Ms Carol Daws

Chief Executive Officer
Cyrenian House



Superintendent Mark Gilbert

Nominee of the Commissioner
Western Australia Police



Ms Juanita Koeijers (to Aug 2021)

Consumer
Representative



Prof Chris Moran

Deputy Vice Chancellor Research
Research Office, Curtin University



Ms Linda Savage

Lawyer and WA Ambassador for
Children and Young People



Mr Terry Slevin

Chief Executive Officer
Public Health Association Australia



Dr Jessamine Soderstrom

Emergency Physician
Royal Perth Hospital



A/Professor Megan Williams

Associate Dean (Indigenous)
University of Technology Sydney



Prof Simon Lenton (Executive Officer)

Director
National Drug Research Institute

Chair's Report

Welcome to the National Drug Research Institute's Annual Report for 2021. This report provides a brief overview of the Institute's achievements during another challenging but productive year.

The COVID-19 pandemic continued to impact our activities, as research practices adapted to ongoing restrictions and working remotely became more common.

However, from my perspective, the dominant theme of the past 12 months has been the Institute emerging from the pandemic in a stronger position, taking concrete steps towards expanding its expertise and securing its long-term standing.

The NDRI Melbourne office, for example, welcomed renowned alcohol researcher Associate Professor Michael Livingston and the first of several PhD scholars, working directly with NDRI Melbourne Head, Professor Paul Dietze.

...the dominant theme of the past 12 months has been the Institute emerging from the pandemic in a stronger position...

Our Aboriginal Mental Health and Substance Use Program also continued to expand with researchers joining the team to complete important research on myriad issues, ranging from homelessness to child protection. These areas achieved significant funding successes over the past 12 months, and the details are outlined in the pages of this Annual Report.

Elsewhere, with an eye on succession planning, the Institute's longstanding Management structure has broadened and functioned seamlessly throughout 2021. In a similar vein, on behalf of the NDRI Advisory Board I acknowledge a significant debt of gratitude to Professor Simon Lenton, who announced mid-year his intention to step down as Director after five years leading the Institute. The search for a successor as Director is underway.



I am sure Simon knew it was a challenging role, but no-one could have predicted the onset of COVID-19 and how much more demanding that has made the position. Throughout, Simon has been an assured, confident, professional and empathic leader and while we look forward to welcoming a new Director in 2022, I am pleased those qualities will not be lost to the Institute as Simon will continue in a Professorial research role.

In closing, I warmly acknowledge and thank the research staff at NDRI for their commitment during 2021, the impressive results of which are outlined in the following pages, and my sincere thanks to the Institute's support staff and my fellow NDRI Advisory Board members for their time, commitment and leadership during another challenging 12 months.

I look forward to more productive years ahead.

Dr Michael Moore AM PhD
Chair
NDRI Advisory Board

Director's Report

One of the things that has always distinguished NDRI's work is our focus on real-world community impact. This is enhanced by our researchers having strong relationships with community partners to understand their policy and practice challenges, and co-designing research projects together with these partners, in order to address these issues.

As well as being evident in 2021 across the suite of NDRI research projects, this approach was emphasised in our 2021 research symposium under the theme, *Working Together: Community Collaboration in Drug Policy and Practice Research*. The collaborative nature of NDRI's research with community partners was reinforced with many papers and panels co-presented with clinicians, public health practitioners and members of impacted communities. Panel sessions on *Involving Consumers in Research* and *Alcohol Pricing Policy* were highlights of the hybrid (in-person and online) symposium.

Our research collaborations with community partners have led to new models of working. For example, in 2021 NDRI began collaborating with Wungening Aboriginal Corporation to undertake a new project aiming to inform culturally responsive policy and service delivery for Aboriginal people affected by homelessness. One of the innovative aspects of this project is that the grant was awarded to Wungening, rather than the university, and is led by a Community Ownership Group of Elders and those with lived experience of homelessness. This, appropriately, puts control of the research in the hands of the impacted community.

In another example, NDRI also made a joint research position appointment in a demand driven research project, funded by both the Institute and the WA Mental Health Commission. The co-designed project, which investigates impacts of prevention focused alcohol interventions including alcohol policy and regulation on alcohol use, harms and economic costs, sees the researcher spending half their time physically located in the Commission's office. This co-location enhances opportunities to bridge the research, policy and practice gap and may be a sign of things to come in future policy research partnerships.

This year has also seen the 'bedding down' and growth of both our Melbourne office, co-located with the Burnet Institute, and the NDRI Aboriginal research program, each of which has grown with new researchers coming on board to contribute to expanding portfolios of work.

2021 also saw the fifth and final report from our collaborative Social and Economic Costs of Substance Use research program, with the release of the *Examining the Social and Economic Costs of Alcohol Use in Australia* report. This important body of work will inform AOD policy and practice in coming years.



As we have all learned to live with the COVID pandemic in so many areas of our lives, the Institute's research activity has continued and expanded as we have pivoted methods and timelines in this constantly changing environment.

As Director, I acknowledge the fantastic work of the entire NDRI team including our world-leading researchers and the business support team, which facilitates and frees-up researchers to do the work. Over the year, NDRI research staff and students published 165 refereed journal articles, reports, books, book chapters, bulletins and submissions and, despite ongoing pandemic restrictions, delivered more than 50 presentations at local, national and international events.

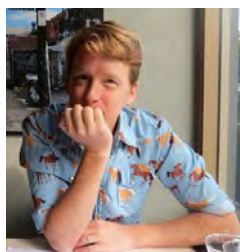
I thank our research collaborators from research, academic, consumer, government and other organisations across the globe. Appreciation also goes to our major funders – the Australian Government Department of Health and Curtin University – along with the Chair and members of the NDRI Advisory Board, who continue to demonstrate a keen interest in our work, provide sound advice and counsel, and bring a wealth of knowledge and connectedness from their own areas of expertise.

Finally, I want to acknowledge the participants in our research – the drug consumers, practitioners, service providers, community members and policy makers who share their experience, knowledge and insights. Their contributions are essential for us to do the research that contributes to informing policy and practice to prevent and reduce alcohol and other drug related harm, and prepare us for the challenges and opportunities that lie ahead.

Professor Simon Lenton
Director
National Drug Research Institute

Highlights and Achievements 2021

- A new project investigating the social and criminal justice impacts of injecting drug use and methamphetamine smoking received Australian Research Council Discovery Project funding. The study will be led by NDRI Melbourne with collaborators from the Kirby Institute, Monash University and the University of Bristol.
- Curtin Emeritus Professor Colin Binns, the inaugural head of NDRI in the mid-1980s, was recognised in the 2021 Queen's Birthday Honour's List for distinguished service to medical research, tertiary education, public health policy and human nutrition. His immediate successor, Emeritus Professor David Hawks, who was NDRI Director from 1987 to 1995, has also previously been awarded a prestigious Order of Australia.
- Professor Steve Allsop was again part of the Australian Delegation to the United Nations Commission on Narcotic Drugs, with the Portugal delegation specifically acknowledging his 'decisive contributions' to adoption of a resolution promoting evidence-based quality drug prevention and treatment services.
- The NDRI Melbourne office welcomed renowned alcohol researcher Associate Professor Michael Livingston and the first of several PhD scholars. The growth in NDRI's Melbourne office coincided with easing of pandemic restrictions and completion of an office refurbishment during the year.
- An international recruitment search began after Professor Simon Lenton announced his intention to step down as NDRI Director after five years in the role.
- Annalee Stearne was made a lifetime member of the Palmerston Association, after serving on its Board for a decade.
- Significant research funding was won in the area of Aboriginal and Torres Strait Islander research, including from the Royal Commission into Violence, Abuse, Neglect and Exploitation of People with Disability and from Lotterywest for a new study in collaboration with Wungening Aboriginal Corporation focused on Aboriginal people affected by homelessness.



NDRI Symposium goes hybrid

The 2021 NDRI symposium included presentations and panel sessions on research into alcohol and illicit drug policy, harm, prevention and trends as well as partnership approaches to addressing AOD harm in Aboriginal communities.

Held at the Perth Convention Centre in October, it was the first time virtual attendance was also possible.

The symposium theme, *Working Together: Community Collaboration in Drug Policy and Practice Research*, emphasised the collaborative nature of NDRI's research with community partners and was reinforced with many presentations co-presented with clinicians, public health practitioners or members of impacted communities.

Feedback indicated the hybrid symposium was a resounding success, with every respondent rating it as worthwhile or very worthwhile and 97 per cent suggesting they would recommend NDRI events. Panel discussions and the diversity of topics were rated highly by delegates.

- NDRI researchers published 165 refereed journal articles, reports, books, book chapters, bulletins and submissions and, despite ongoing pandemic restrictions, delivered more than 50 presentations at local, national and international events.
- NDRI Professor Steve Allsop was awarded Curtin University's Faculty of Health Sciences 2021 Lifetime Achievement Award. NDRI Director from 2005 to 2016, Professor Allsop's association with Curtin University dates back to teaching Addiction Studies in the mid-1980s.
- As part of the 2021 Health Sciences Mark Liveris Seminar and Faculty Research Day, Research Fellow Martyn Symons won \$5,000 seed funding for his project pitch to establish the prevalence of FASD in Australia.
- The Mental Health Commission invited Dr Jodie Grigg to present an extended version of her NDRI Symposium presentation, with Dr Jessamine Soderstrom, on responding to increasing trends in nitrous oxide use to the WA Alcohol and Other Drug Prevention Network meeting.
- Masters student Rose Walley had her thesis passed. NDRI staff supervised/co-supervised about 30 HDR students in Perth and across Australia.
- Professor Simon Lenton gave invited and keynote presentations, based in part on the *Legalizing Cannabis* book he co-edited, at three conferences, including the Australian Public Health Conference.

- NDRI Melbourne Head Professor Paul Dietze co-convened and served as discussant on a symposium on Take-Home Naloxone at the 2021 APSAD Conference.
- NDRI's publicly available Australian Alcohol-Attributable Harm Visualisation Tool, www.alcoholharmtool.info, was revamped and updated with new data using the latest epidemiological methods. The tool was developed as an interactive way to identify trends in alcohol-attributable hospitalisations and deaths in Australia.
- The 2021 NDRI Webinar Series featured a presentation during National Reconciliation Week that focussed on the 'YAWG' (Young Aboriginal Women and Girls) website as well as Professor Paul Dietze's first presentation as Head of NDRI Melbourne, outlining new data on opioid overdose incidence and findings from evaluations of supervised injecting rooms and take-home naloxone.
- The Victorian Legislative Council's report of the *Inquiry Into the Use of Cannabis in Victoria* extensively referenced the work of NDRI and particularly Professor Simon Lenton, who gave verbal evidence to the Committee, with its 17 recommendations reflecting several elements of the NDRI submission.

One of the things that has always distinguished NDRI's work is our focus on real-world community impact.

- NDRI Research Fellow William Gilmore and Adjunct Professor Sir Ian Gilmore contributed a chapter on *Alcohol and Men's Health* to a medical reference book.
- With University of Adelaide colleagues, Professor Steve Allsop taught the ASSIST Brief Intervention to health workers in Australia and overseas. He also contributed to publication of a manual on digital counselling, which grew during the pandemic.
- Three NDRI researchers – Dr Jodie Grigg, Professor Simon Lenton and Professor Steve Allsop – contributed to an educational video for the Department of Education.
- The Beyond Violence program's success saw two new facilitators employed to deliver the NHMRC-funded project in Bandyup Women's Prison.
- NDRI researchers conducted with colleagues the Australian arm of an international study on cannabis cultivation which ran in almost 20 countries. It found medical use was the most common motivation for Australian small-scale cannabis growers and is much more common in Australia.

- The WA Department of Health invited Professor Tanya Chikritzhs to present on a minimum unit price for alcohol as a guest speaker at the Australasian Faculty of Public Health Medicine AGM.
- Following their major report for the National Mental Health Commission, Professor Steve Allsop and Adjunct Professor Nicole Lee conducted a webinar for 300 participants on managing co-existing mental health and AOD problems.
- Dr Jodie Grigg was a member of the Early Warning System Nitrous Oxide Sub-Group and contributed to the drafting of its Policy Position Paper and Strategies Paper as well as advising the Mental Health Commission on reducing the risk of drug-related harm at music festivals.
- NDRI Adjunct Associate Professor Kylie Lee was recognised with the National Indigenous Drug and Alcohol Conference 'Appreciation Award, Non-Indigenous Worker', which recognises a non-Indigenous worker who has made an important commitment and contribution to reducing the harmful effects of drug and alcohol use among Aboriginal and Torres Strait Islander people.
- Professor Tanya Chikritzhs was lead author on an invited guest column for Medical Forum, *Facing a Geriatric Juggernaut*, examining the combined challenges posed by people living longer and using alcohol and prescription drugs.
- NDRI researchers contributed to the expert advisory committee for the Cracks in the Ice project, which during the year launched the first national website providing evidence-based and up-to-date resources about crystal methamphetamine for Aboriginal and Torres Strait Islander peoples.
- As part of continued efforts to disseminate research findings, NDRI researchers received 435 media mentions, articles in The Conversation reached an audience of 430,000 readers, and the Institute's social media following grew beyond 2800.



First alcohol costs update in a decade

Several NDRI researchers collaborated to complete the *Examining the Social and Economic Costs of Alcohol Use in Australia: 2017/18* report, the first national update in a decade of the costs of alcohol use.

The fifth in a series of reports estimating the overall costs to Australia from the use of specific licit and illicit drugs, the study conservatively estimated the health, workplace and other costs of alcohol consumption to the Australian community at \$66.8 billion a year.

Research Activities

The National Drug Research Institute (NDRI) is among the largest centres of alcohol and other drug research expertise in Australia. Since our inception in 1986, we have conducted novel, high quality, strategic research that aims to inform Australia's response to alcohol and other drug problems at local, state and national levels. NDRI focuses on research and other outputs that have policy and practice relevance and impact. We work in partnership and collaboration with Australian, state and local governments; with health, social and law enforcement services; and with communities. To ensure broad and enduring impact, capacity building is central to our work. Our researchers come from diverse backgrounds including psychology, epidemiology, biostatistics, sociology, anthropology, medicine and public health. A range of high level skills and a wealth of knowledge contribute to innovative, multi-disciplinary research approaches.

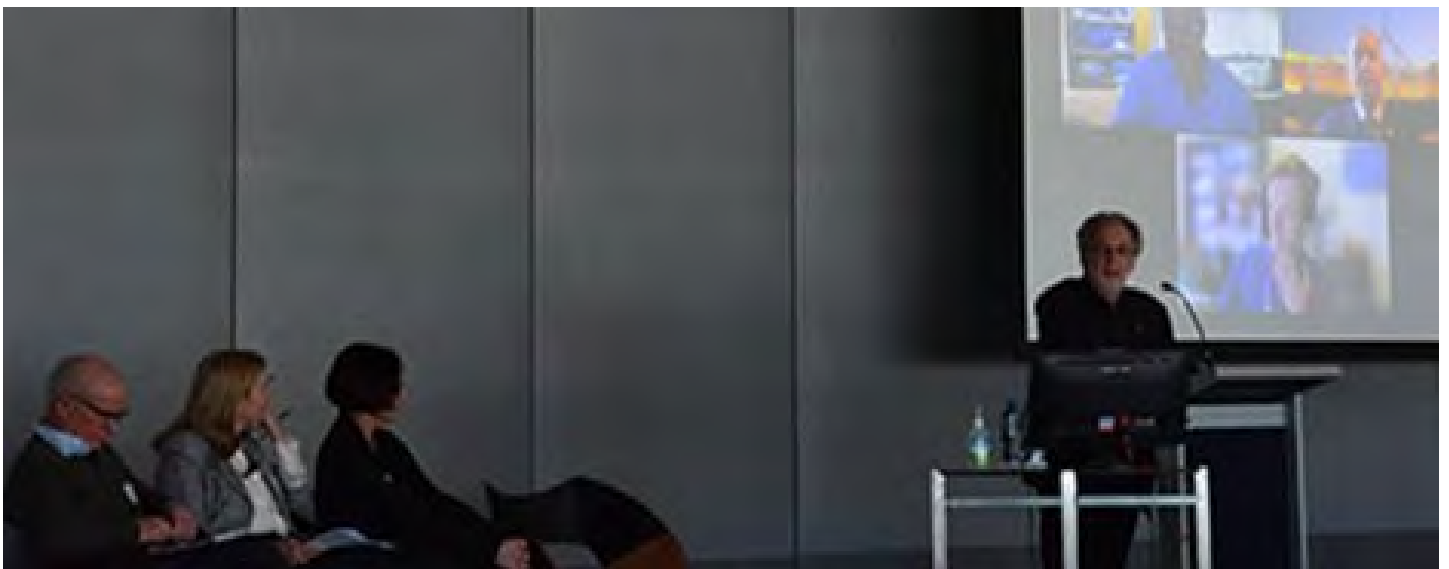
The following pages list new, ongoing and completed projects undertaken by NDRI researchers during 2021, organised by key research priorities (listed below). Further project information can be found on NDRI's website at ndri.curtin.edu.au.

Key Research Priorities

NDRI's research priority areas align with the National Drug Strategy 2017-2026 and are responsive to current and emerging Australian Government priorities regarding alcohol and other drugs.

Our current focus is on conducting research and building capacity in the following six areas:

- Alcohol and other drug policy and strategies
- Needs of Aboriginal Australians
- Innovation in prevention and early intervention
- Social contexts of alcohol and other drug use
- Reducing harm among people who use alcohol and other drugs
- Innovation in the management of alcohol and other drug problems



Research Activities

ALCOHOL AND OTHER DRUG POLICY AND STRATEGIES

Informing, evaluating and investigating policy to ensure the most effective evidence based measures are in place

Policy research takes a broad approach to alcohol and other drugs (AOD) that spans issues that influence social, health, regulatory and enforcement policy in Australia and overseas. It focuses on conducting targeted data collection and trend analysis and monitoring; and evaluating the impact of various models of regulatory and legislative controls and policies on AOD use and its consequences. It aims to inform activities across the sector, in particular government policies and strategies, and has a major focus on assessing the impact of changes in policy at national and international levels, investigating models of control in other countries to build the evidence base, providing strategic advice to government, and informing community debate.

New Projects

Alcohol policy and intervention effects in Western Australia: A joint initiative in demand-driven research

NDRI Staff: Tanya Chikritzhs and Martyn Symons
Funded by: Mental Health Commission and AGDH

Old enough to drink - then what? Examining alcohol consumption in a cohort with historically low levels of drinking

NDRI staff: Michael Livingston
Project leaders: Karolinska Institute, Sweden
Funded by: Forte

The life-course implications of declining adolescent drinking

NDRI staff: Michael Livingston
Funded by: ARC Future Fellowship

Understanding drinking trends in Australia

NDRI staff: Michael Livingston
Funded by: AGDH



Ongoing Projects

Alcohol and cannabis: Intervention research

NDRI staff: Tanya Chikritzhs
Project leaders: Karolinska Institute, Sweden
Project partners: Stockholm County Council; Stockholm Center for Dependency; MIC Lab AB; Boston University, USA; University of York, UK; Stockholm County Hospital; University of Victoria
Funded by: Forte

COVID-19 and alcohol-related family violence in Western Australia

NDRI Staff: Tanya Chikritzhs and William Gilmore
Project Leaders: La Trobe University
Funded by: AGDH

Developing an interactive web based alcohol harm monitoring tool for Australia - Burden of disease analysis

NDRI staff: Tanya Chikritzhs and William Gilmore
Project partners: CISUR, University of Victoria, Canada
Funded by: AGDH

Developing health promotion messages to encourage responsible drinking practices

NDRI staff: Tanya Chikritzhs
Project leaders: NDRI, Curtin University
Project partners: Cancer Council Victoria; University of Newcastle
Funded by: Healthway

Drug Trends (IDRS & EDRS) WA

NDRI staff: Simon Lenton, Jodie Grigg and Seraina Agramunt
Project leaders: NDARC, UNSW
Funded by: AGDH

Research Activities

ALCOHOL AND OTHER DRUG POLICY AND STRATEGIES *(continued)*

Impacts of Banned Drinkers Register re-introduction in Northern Territory

NDRI staff: Tanya Chikritzhs

Project leaders: Deakin University

Project partners: Charles Darwin University; La Trobe University; Northern Territory Government; Central Australian Aboriginal Congress Aboriginal Corporation; University of New South Wales; Northern Territory Primary Health Network; Charles Darwin University; Aboriginal Medical Services Alliance NT Aboriginal Corporation; South Australian Health and Medical Research Institute; Foundation for Alcohol Research and Education; Monash University

Funded by: ARC Linkage

National Alcohol Indicators Project (NAIP)

NDRI staff: Tanya Chikritzhs and William Gilmore

Funded by: AGDH

Peer Naloxone Education - Emergency Departments and St Patrick's Crossroads Program - Follow-up Interviews

NDRI staff: Simon Lenton and Seraina Agramunt

Funded by: Mental Health Commission (WA)

Completed Projects

Examining the social and economic costs of alcohol use in Australia

NDRI staff: Tanya Chikritzhs, William Gilmore, Robert Tait, Steve Allsop and Aqif Mukhtar

Project partners: South Australian Centre for Economic Studies, University of Adelaide; NCETA, Flinders University.

Funded by: AGDH

NEEDS OF ABORIGINAL AUSTRALIANS

Working with Aboriginal Australians to prevent and reduce alcohol and illicit drug harm

This research contributes to prevention and reduction of the burden of harm caused by alcohol and other drugs (AOD) among Aboriginal Australians. Research focuses on the inter-related topics of changing patterns of AOD use, factors related to harmful use, more efficient and effective provision of services, and improved policy responses. Research is based on well-established partnerships with Aboriginal community controlled health organisations, with Aboriginal community stakeholders and organisations actively involved in all aspects of research from planning through to translation into policy and strategies.

New Projects

First Nations women and children with disability and their experiences of family and domestic violence

NDRI staff: Jocelyn Jones and Mandy Wilson

Project leaders: NDRI, Curtin University

Funded by: Attorney General's Department on behalf of the Royal Commission into Violence, Abuse, Neglect and Exploitation of People with Disability

"I thought I was going to die": creating a framework for the development and dissemination of culturally appropriate non-fatal strangulation preventative and educational resources for Aboriginal and Torres Strait Islander peoples in Perth, WA

NDRI staff: Mandy Wilson and Jocelyn Jones

Project leaders: Centre for Women's Safety & Wellbeing Inc.

Funded by: WA Department of Communities

Supporting the most vulnerable - Homelessness Research

NDRI staff: Jocelyn Jones and Mandy Wilson

Project leaders: Wungening Aboriginal Corporation

Funded by: Lotterywest

Research Activities

NEEDS OF ABORIGINAL AUSTRALIANS (*continued*)

Ongoing Projects

Australian Indigenous Alcohol and other Drugs Knowledge Centre

NDRI staff: Julia Butt and Jocelyn Jones

Project leaders: Australian Indigenous HealthInfoNet, ECU

Project partners: NDARC, UNSW; NCETA, Flinders University

Funded by: AGDH

Better data on methamphetamines and other drugs among Indigenous Australians to inform policy and practice

NDRI staff: Tanya Chikritzhs

Project leaders: University of Sydney

Funded by: NHMRC

Centre for Research Excellence: Building Indigenous research capacity to find solutions to alcohol problems

NDRI staff: Anna Stearne

Project leaders: University of Sydney

Project partners: Aboriginal Drug and Alcohol Council (SA); University of NSW; Inala Indigenous Health Service; Royal Prince Alfred Hospital, Sydney; University of Wollongong; University of Queensland; NSW Health

Funded by: NHMRC

Linking for Life: Enhancing pathways to well-being for all Australians

NDRI staff: Jocelyn Jones

Project leaders: University of Western Australia

Funded by: ARC

Looking forward - moving forward project: Transforming systems to improve mental health and drug and alcohol outcomes for Aboriginal peoples

NDRI staff: Steve Allsop

Project leaders: NDRI, Curtin University

Project partners: South Australian Health and Medical Research Institute; University of Western Australia; Mental Health Commission WA; Telethon Kids Institute, UWA; WA Department of Health

Funded by: NHMRC Partnership Grant

Predicting and preventing child removals and optimising the child protection system for Aboriginal children in partnership with Aboriginal communities and health services

NDRI staff: Jocelyn Jones

Project leaders: Melbourne University

Project partners: Telethon Institute

Funded by: NHMRC

Review of cannabis use among Aboriginal and Torres Strait Islander people

NDRI staff: Jocelyn Jones and Mandy Wilson

Funded by: Edith Cowan University



Completed Projects

Better methods to collect self-report data on alcohol use from Aboriginal and Torres Strait Islander Australians

NDRI staff: Tanya Chikritzhs

Project leaders: University of Sydney

Project partners: Turning Point; University of Queensland; Aboriginal Health Council South Australia; National Centre for Epidemiology & Population Health, ANU; NDARC, UNSW; Aboriginal Health & Medical Research Council (NSW)

Funded by: NHMRC

Research Activities

INNOVATION IN PREVENTION AND EARLY INTERVENTION

Innovative and effective ways to delay or prevent alcohol and other drug use and harm

This research aims to prevent early and problematic use of alcohol and other drugs (AOD) and adverse consequences, particularly during childhood and adolescence. It includes a focus on early intervention programs for high risk children, families and communities and incorporates research and evaluations of the social determinants of AOD use and the impact of AOD use during pregnancy. The research builds on international work exploring social and economic benefits of prevention and early intervention, particularly among marginalised populations, on more equitable health outcomes, reduced hazardous and harmful drug use, safer children and more cohesive communities.

New Projects

Australian Child Health and Development Atlas

NDRI staff: Jocelyn Jones

Funded by: Australian Research Data Commons

First Nationwide Active Case Ascertainment Study of FASD in Australia

NDRI staff: Martyn Symons

Funded by: AGDH and MHC

Nurturing Families: Evaluation of the Parent-Child Assistance Program (PCAP) in Australia

NDRI staff: Martyn Symons

Funded by: AGDH and MHC

Ongoing Projects

A novel text mining and data linkage approach to investigate the mental health needs of the population during the COVID-19 period

NDRI staff: Mandy Wilson

Project leaders: UNSW

Funded by: MRFF

Australian parental supply of alcohol longitudinal study

NDRI staff: Nyanda McBride

Project leaders: NDARC, UNSW

Project partners: University of Newcastle; University of Tasmania

Funded by: Australian Rotary Health

Breaking the intergenerational cycle of mental disorder: A longitudinal study of the social determinants of childhood psychosocial adjustment problems

NDRI staff: Steve Allsop

Project leaders: Deakin University

Project partners: UNSW; University of Sydney; University of Queensland

Funded by: Australian Rotary Health

Continuing dissemination of the School Health and Alcohol Harm Reduction Project (SHAHRP)

NDRI staff: Nyanda McBride

Funded by: AGDH

Fathers and sleep. A formative intervention research project

NDRI staff: Nyanda McBride

Funded by: AGDH

Healthy, wealthy and wise: The long-term effectiveness of an online universal program to prevent substance use and mental health problems among Australian youth

NDRI staff: Nyanda McBride and Steve Allsop

Project leaders: NDARC, UNSW

Project partners: Queensland University of Technology; Deakin University

Funded by: NHMRC

International dissemination of the School Health and Alcohol Harm Reduction Project (SHAHRP)

NDRI staff: Nyanda McBride

Funded by: AGDH

Paternal contribution to alcohol exposed pregnancies and fetal and infant health

NDRI staff: Nyanda McBride

Funded by: AGDH

Pharmacy Interventions for Naloxone Scale-Up (PINS)

NDRI staff: Simon Lenton

Funded by: NHMRC

Positive Choices drug and alcohol information online portal

NDRI staff: Steve Allsop and Nyanda McBride

Project leaders: NDARC, UNSW

Funded by: AGDH

Research Activities

INNOVATION IN PREVENTION AND EARLY INTERVENTION *(continued)*

School based program for alcohol misuse prevention: A study about the school context and an adapted version of SHAHRP to the Brazilian reality

NDRI staff: Nyanda McBride

Project leaders: Universidade Federal de São Paulo, Brazil

Funded by: National Council for Scientific and Technological Development, Brazil

The FO-CO program: development of contemplative practices and scientific assessment plan

NDRI staff: Nyanda McBride

Funded by: Mind & Life Europe Verela Research Awards

The Healthy Lifestyles program: An innovative implementation model for online interventions to prevent common and emerging risk factors for chronic disease in young Australians

NDRI staff: Steve Allsop and Nyanda McBride

Project leaders: NDARC, UNSW

Project partners: University of Newcastle; University of Queensland; Northwestern University; Queensland University of Technology

Funded by: Paul Ramsay Foundation

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

NDRI staff: Nyanda McBride

Project leaders: NDARC, UNSW

Project partners: University of Newcastle; Washington University; University of Melbourne; University of Queensland; University of Tasmania

Funded by: NHMRC

Understanding FASD in schools: Capacity building for educators

NDRI staff: Steve Allsop

Project leaders: University of Sydney

Year 12 and COVID-19: a reflective study of alcohol, other drug and mental health experiences of year 12s during 2020/21

NDRI staff: Nyanda McBride and Lily Palmer

Funded by: Curtin University

INNOVATION IN THE MANAGEMENT OF ALCOHOL AND OTHER DRUG PROBLEMS

New technology and other innovative ways to prevent and reduce use and harm

This research aims to improve clinical and other management of alcohol and other drug (AOD) problems by developing and trialling new and innovative treatment interventions; investigating applying new technologies to AOD related problems, such as online based brief interventions for at-risk alcohol and other drug consumers; and trialling applications and modifications of existing approaches to different AOD problems.

Ongoing Projects

Intranasal naloxone for the reversal of opioid overdose: A double-blinded, double-dummy controlled non-inferiority trial in Sydney's Medically Supervised Injecting Centre

NDRI staff: Simon Lenton and Paul Dietze

Project leaders: Burnet Institute

Project partners: Uniting Medically Supervised Injecting Centre Sydney; King's College London; Deakin University; Cancer Council NSW

Funded by: NHMRC

National Centre for Clinical Research on Emerging Drugs (NCCRED)

NDRI staff: Simon Lenton

Project leaders: NDARC, UNSW

Project partners: St Vincent's Health Australia; NCETA, Flinders University

Funded by: AGDH

Completed Projects

Oral Health related quality of life among people who smoke methamphetamine

NDRI staff: Shady Abdelsalam, Paul Dietze and Michael Livingston

Funded by: AGDH

Research Activities

REDUCING HARM AMONG PEOPLE WHO USE ALCOHOL AND OTHER DRUGS

Informing policy, practice and strategies that aim to reduce harm to individuals, families and the community

This research informs policy, strategies and practice interventions that aim to reduce harm to individuals, families, organisations and communities for people who continue to use alcohol and other drugs. It includes interventions from the micro level, such as preventing harm for individual drug users and their peers, to the macro, such as contributing to effective drug treaties and international conventions.

Ongoing Projects

Aboriginal and non-Aboriginal women perpetrators of violence: A trial of a prison-based intervention (Beyond Violence)

NDRI staff: Mandy Wilson

Project leaders: Kirby Institute, UNSW

Project partners: Michigan State University; University of Newcastle; University of Sydney

Funded by: NHMRC

Drugs on the darknet: Assessing the global health risks of a rapidly expanding market

NDRI staff: Simon Lenton

Project leaders: NDARC, UNSW

Project partners: California State University; Griffith University; Macquarie University; University of Queensland; University of Montreal; University of Manchester

Funded by: NHMRC

Online survey of small-scale domestic cannabis cultivation - Part of an international research collaboration

NDRI staff: Simon Lenton

Project partners: Global Cannabis Cultivation Research Consortium

Funded by: NDRI

Promoting responsible drinking practices to drinkers to reduce the risk of alcohol-related harm

NDRI staff: Tanya Chikritzhs

Project leaders: Curtin School of Psychology

Project partners: Deakin University; University of Newcastle; Cancer Council Victoria

Funded by: NHMRC

Reducing the key alcohol and other drug related harms in Australia

NDRI staff: Paul Dietze

Project leaders: Burnet Institute and NDRI

Funded by: NHMRC

The health, social and economic implications of risk-taking in adolescence over the life-course: a data linkage study of the Raine cohort

NDRI staff: Robert Tait

Project leaders: University of Sydney

Project partners: University of Melbourne; UWA; University of Technology, Sydney

Funded by: NHMRC

The sexual health and attitudes of Australian prisoners

NDRI staff: Jocelyn Jones and Mandy Wilson

Project leaders: Kirby Institute, UNSW

Project partners: Western Sydney University

Funded by: NHMRC

Research Activities

POSTGRADUATE PROGRAM

NDRI has an active postgraduate research program and welcomes enquiries from prospective Masters and PhD students who are interested in alcohol and other drug research. PhD candidates are attracted through scholarships and through collaborative supervision with other schools and universities.

New PhD Projects

The impact of medically supervised injecting room (MSIR) utilisation on health outcomes in people who inject drugs

PhD scholar: Shady Abdelsalam

PhD supervisors: Paul Dietze and Michael Livingston

Funded by: Curtin University

The process, pathways and experiences of males referred for drug and alcohol treatment (rehabilitation) through justice system: is it working or are we going in circles?

PhD scholar: Parameswary G Karpusamy

PhD supervisors: Steve Allsop and Julia Butt (Adjunct)

Funded by: Curtin University

Ongoing PhD Projects

Alcohol policy and regulating availability: Impacts on population-level alcohol use and related disorders and diseases in Australia

PhD scholar: William Gilmore

PhD supervisors: Tanya Chikritzhs and Wenbin Liang

Funded by: Research Training Program Scholarship

Determinants of prenatal alcohol exposure among Aboriginal women in the Pilbara: Developing a statistically validated model of prenatal alcohol consumption for evidence based intervention development

PhD scholar: David Tucker

PhD supervisors: Nyanda McBride, Martyn Symons and Roz Walker (Telethon Kids)

Funded by: Research Training Program Scholarship

Factors in determining development of problem gambling and motivation to change of offenders

PhD scholar: Bernard (Wai Shing) Fan

PhD supervisors: Steve Allsop

Funded by: Research Training Program Scholarship

Inclusion of self-determination by First Nations Australian communities in alcohol related policy development in the Northern Territory

PhD scholar: Annalee Stearne

PhD supervisors: Steve Allsop, Anthony Shakeshaft (NDARC, UNSW) and Michael Wright (Curtin)

Funded by: NHMRC CRE

Representation of commercial and health interests in alcohol policy processes in Australia

PhD scholar: Julia Stafford

PhD supervisors: Tanya Chikritzhs, Simone Pettigrew (Curtin) and Kypros Kypri (University of Newcastle)

Funded by: Research Training Program Scholarship

Understanding why high dropout rates exist amongst alcohol and other drug (AOD) substance users during the critical first four weeks of a twelve-month therapeutic community (TC) program in Western Australia

PhD scholar: Susan Stevens

PhD supervisors: Steve Allsop and Robert Tait

Funded by: Research Training Program Scholarship

Completed PhD Projects

Hepatitis C and its Treatment in Australian Custodial Settings

PhD scholar: James Fetherston

PhD supervisors: Steve Allsop

Funded by: Unfunded

Ongoing Masters Projects

Kadadjiny Dwank project: Otitis media from an urban Aboriginal perspective

Masters scholar: Rosemary Walley

Masters supervisors: Steve Allsop, Michael Wright (Curtin) and Deborah Lehmann (Telethon Kids)

Funded by: Curtin University Faculty of Health Sciences Scholarship

NDRI widely disseminates its research findings to increase awareness of drug related harm and effective prevention strategies, and to inform community debate and public health policy and practice. Research is disseminated through various means, including publications, presentations and the media, to policy makers, practitioners, public health professionals, other researchers, interest groups and the community.

Publications

NDRI research findings are published widely, including via refereed journals, reports and bulletins, which are widely circulated throughout Australia and internationally. The publication of NDRI's research findings and sharing of research expertise has played a significant role in research translating into policy and practice. NDRI also directly influences policy through frequent submissions to national and state policy bodies. In 2021, NDRI researchers published 165 outputs.

Presentations

Research findings are presented locally through the NDRI web/seminar series, and nationally and internationally through presentations at conferences, symposia, workshops and seminars. In addition, the NDRI annual symposium, held during the reporting period, highlighted NDRI research through several high-quality presentations. Despite ongoing pandemic restrictions, in 2021, NDRI researchers delivered more than 50 presentations.

Refereed Journal Articles

- Abdelsalam, S., van den Boom, W., Higgs, P., Dietze, P. and Erbas, B. (2021). The association between depression and oral health related quality of life in people who inject drugs. *Drug and Alcohol Dependence*, 229. DOI: <https://doi.org/10.1016/j.drugalcdep.2021.109121>
- Arum, C., Fraser, H., Artenie, A.A.,...Dietze, P. et al. (2021). Homelessness, unstable housing, and risk of HIV and hepatitis C virus acquisition among people who inject drugs: a systematic review and meta-analysis. *The Lancet Public Health*, 6, (5), pp. e309-e323. DOI: [https://doi.org/10.1016/S2468-2667\(21\)00013-X](https://doi.org/10.1016/S2468-2667(21)00013-X)
- Ayano, G., Betts, K., Lin, A., Tait, R.J. and Alati, R. (2021). Maternal and paternal mental health problems and the risk of offspring depression in late adolescence: findings from the Raine Study. *Journal of Mental Health*. DOI: <https://doi.org/10.1080/09638237.2021.1875423>
- Ayano, G., Betts, K., Tait, R.J., Dachew, B.A. and Alati, R. (2021). Maternal depressive and anxiety symptoms and the risk of attention deficit hyperactivity disorder symptoms in offspring aged 17: Findings from the Raine Study. *Journal of Affective Disorders*, 284, pp. 149-156. DOI: <https://doi.org/10.1016/j.jad.2021.02.024>
- Ayano, G., Lin, A., Betts, K., Tait, R.J., Dachew, B.A. and Alati, R. (2021). Risk of conduct and oppositional defiant disorder symptoms in offspring of parents with mental health problems: Findings from the Raine Study. *Journal of Psychiatric Research*, 138, pp. 53-59. DOI: <https://doi.org/10.1016/j.jpsychires.2021.03.054>
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- Ayano, G., Lin, A., Tait, R.J., Alati, R. and Betts, K. (2021). Associations of maternal and paternal mental health problems with offspring anxiety at age 20 years: Findings from a population-based prospective cohort study. *Psychiatric Research*, 299. DOI: <https://doi.org/10.1016/j.psychres.2021.113922>
- Ayonrinde, O.T., Ayonrinde, O.A., Van Rooyen, D., Tait, R.J., Dunn, M., Mehta, S., White, S. and Ayonrinde, O.K. (2021). Association between gestational cannabis exposure and maternal, perinatal, placental, and childhood outcomes. *Journal of Developmental Origins of Health and Disease*, 12, (5), pp. 694-703. DOI: <https://doi.org/10.1017/S2040174420001166>
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- Booth, L., Jongenelis, M., Drane, C., Miller, P.G., Chikritzhs, T.N., Hasking, P., Hastings, G., Thorn, M. and Pettigrew, S. (2021). Attitudinal factors associated with drink counting. *Drug and Alcohol Review*. DOI: <https://doi.org/10.1111/dar.13277>

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- Bozic, S., Vicendese, D., Livingston, M. and Erbas, B. (2021). Role of psychological distress on long-term risky and heavy-episodic drinking patterns in major cities and rural and remote areas. *Australian Journal of Rural Health*. DOI: <https://doi.org/10.1111/ajr.12821>
- Bright, S.J., Gringart, E., Blatchford, E. and Bettinson, S. (2021). A quantitative exploration of the relationships between regular yoga practice, microdosing psychedelics, wellbeing and personality variables. *Australian Journal of Psychology*, 73, (2), pp. 134-143. DOI: <https://doi.org/10.1080/00049530.2021.1882266>
- Butler, T., Schofield, P., Knight, L. et al. (2021). Sertraline hydrochloride for reducing impulsive behaviour in male, repeat-violent offenders (ReINVEST): Protocol for a phase IV, double-blind, placebo-controlled, randomised clinical trial. *BMJ Open*, 11, (9). DOI: <https://doi.org/10.1136/bmjopen-2020-044656>
- Callinan, S., Mojica-Perez, Y., Wright, C., Livingston, M., Kuntsche, S., Laslett, A.L., Room, R. and Kuntsche, E. (2021). Purchasing, consumption, demographic and socioeconomic variables associated with shifts in alcohol consumption during the COVID-19 pandemic. *Drug and Alcohol Review*, 40, (2), pp. 183-191. DOI: <https://doi.org/10.1111/dar.13200>
- Caluzzi, G., Livingston, M., Holmes, J., MacLean, S., Lubman, D., Dietze, P., Vashishtha, R., Herring, R. and Pennay, A. (2021). Declining drinking among adolescents: Are we seeing a denormalisation of drinking and a normalisation of non-drinking? *Addiction*. DOI: <https://doi.org/10.1111/add.15611>
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- Chikritzhs, T.N. and Weeramanthri, T.S. (2021). The swinging pendulum of alcohol policy in the Northern Territory. *Anaesthesia and Intensive Care*, 49, (1), pp. 8-11. DOI: <https://doi.org/10.1177/0310057X20986309>
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- Governments [are] well informed of the evidence concerning the range of supply, harm and demand reduction strategies...
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- de Castro Amato, T., Opaleye, E., McBride, N. and Noto, A. (2021). Reducing alcohol-related risks among adolescents: a feasibility study of the SHAHRP program in Brazilian schools. *Ciencia & Saude Coletiva*, 26, (8), pp. 3005-3018. DOI: <https://doi.org/10.1590/1413-81232021268.13472020>
- Dietze, P., Crossin, R., Scott, D., Smith, K., Wilson, J.C., Burgess, S., Lubman, D. and Cantwell, K. (2021). Coding and classification of heroin overdose calls by MPDS dispatch software: Implications for bystander response with naloxone. *Resuscitation*, 159, pp. 13-18. DOI: <https://doi.org/10.1016/j.resuscitation.2020.12.001>
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- Duko, B., Pereira, G., Betts, K., Tait, R.J., Newnham, J. and Alati, R. (2021). Prenatal alcohol and tobacco use and the risk of depression in offspring at age 17 years: Findings from the Raine Study. *Journal of Affective Disorders*, 279, pp. 426-433. DOI: <https://doi.org/10.1016/j.jad.2020.10.030>
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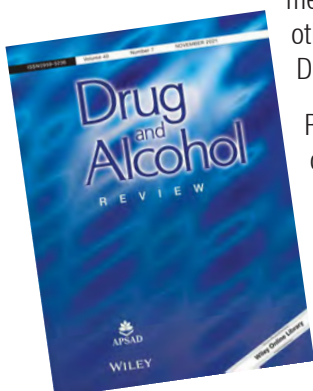
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- Wilson, M., Spike, E., Karystianis, G. and Butler, T. (2021). Non-fatal strangulation during domestic violence events in New South Wales: prevalence and characteristics using text mining study of police narratives. *Violence Against Women*. DOI: <https://doi.org/10.1177/10778012211025993>
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- Young, J.T., Bellgrove, M. and Arunogiri, S. (2021). Assessment of attention-deficit hyperactivity disorder in people with substance use disorder: Another case of what gets measured gets done. *Australian and New Zealand Journal of Psychiatry*, 55, (8), pp. 744-746. DOI: <https://doi.org/10.1177/00048674211009607>
- Yuen, W., Bruno, R., Chan, G., McCambridge, J., Slade, T., Clare, N., Aiken, A., Kypri, K., Hutchinson, D., McBride, N., Boland, V., Upton, E., Farrell, M., Mattick, R. and Peacock, A. (2021). Experience of physiological and psychosocial alcohol-related harms across adolescence and its association with alcohol use disorder in early adulthood: A prospective cohort study. *Alcoholism: Clinical and Experimental Research*, 45, (12), pp. 2518-2527.

Research Outputs

REPORTS, BULLETINS, BOOKS, CHAPTERS AND SUBMISSIONS

- Yuen, W., Bruno, R., Chan, G., McCambridge, J., Slade, T., Clare, P., Aiken, A., Kypri, K., Hutchinson, D., McBride, N., Boland, V., Upton, E., Farrell, M., Mattick, R. and Peacock, A. (2021). The experience of physiological and psychosocial alcohol-related harms across adolescence and its association with alcohol use disorder in early adulthood: A prospective cohort study. *Alcoholism: Clinical and Experimental Research*, 45, (12), pp. 2518-2527. DOI: <https://doi.org/10.1111/acer.14726>
- Yuen, W., Chan, G., Bruno, R., Clare, P., Aiken, A., Mattick, R., Farrell, M., Kypri, K., Slade, T., Hutchinson, D., McBride, N., McCambridge, J., Boland, V. and Peacock, A. (2021). Trajectories of alcohol-induced blackouts in adolescence: Early risk factors and alcohol use disorder outcomes in early adulthood. *Addiction*, 116, (8), pp. 2039-2048. DOI: <https://doi.org/10.1111/add.15415>
- Zheng, C., Conigrave, J., Conigrave, K., Wilson, S., Perry, J., Chikritzhs, T.N., Fitts, M. and Lee, K.S. (2021). Patterns of drinking in Aboriginal and Torres Strait Islander peoples as self-reported on the Grog Survey App: A representative urban and remote sample. *Drug and Alcohol Review*. DOI: <https://doi.org/10.1111/dar.13333>

Reports and Bulletins

- Agramunt, S. and Lenton, S. (2021). Characteristics of PWID who are in treatment versus not in treatment: COVID-19 related health concerns and behaviours. Findings from the Illicit Drug Reporting System 2020. National Drug and Alcohol Research Centre, UNSW.
- Agramunt, S. and Lenton, S. (2021). Western Australia Drug Trends 2020: Key Findings from Illicit Drug Reporting System (IDRS) Interviews. National Drug and Alcohol Research Centre, UNSW Sydney.
- Andreasson, S., Chikritzhs, T.N., Dangardt, F., Holder, H., Naimi, T.S., Sherk, A. and Stockwell, T.R. (2021). Alcohol and Society 2021: Alcohol and the coronavirus pandemic: individual, societal and policy perspectives., Stockholm, Sweden.
- Grigg, J. and Lenton, S. (2021). Increasing trends in coke, ket, nangs and poppers among people who regularly use ecstasy and/or other illicit stimulants, Perth WA. National Drug and Alcohol Research Centre, UNSW, Sydney, NSW.
- Grigg, J. and Lenton, S. (2021). Western Australian Drug Trends 2020: Key Findings from the Ecstasy and Related Drugs Reporting System (EDRS) Interviews. National Drug and Alcohol Research Centre, University of New South Wales, Sydney, NSW.
- Peacock, A., Uporova, J., Karlsson, A., Price, O., Gibbs, D., Swanton, R., Chan, R., Bruno, R., Dietze, P., Lenton, S., Salom, C.L., Degenhardt, L. and Farrell, M. (2021). Australian Drug Trends 2020: Key Findings from Illicit Drug Reporting System (IDRS) Interviews. National Drug and Alcohol Research Centre, UNSW Sydney.

- Whetton, S., Tait, R.J., Gilmore, W., Dey, T., Agramunt, S., Abdul Halim, S., McEntee, A., Mukhtar, A., Roche, A., Allsop, S. and Chikritzhs, T.N. (2021). Examining the Social and Economic Costs of Alcohol Use in Australia: 2017/18. In Tait, R.J. and Allsop, S. (eds.). National Drug Research Institute, Curtin University, Perth, Western Australia.



- Symons, M., Tucker, D., Bruce, K., Stearne, A., Kogolo, A., Oscar, J., Pearson, G. and Fitzpatrick, J. (2021). The Development and Implementation of a Culturally Safe Survey for Measuring Knowledge, Attitudes and Values around FASD and Alcohol Use During Pregnancy in a Remote Australian Aboriginal Community Setting. *Australian Indigenous Health Bulletin*, 2, (3).

Books and Chapters

- Ali, R.L., Allsop, S. and Marsden, J. (2021). Philippines National Drug Helpline: Counsellor Manual. University of Adelaide.
- Gilmore, W. and Gilmore, I. (2021). Alcohol and men's health. In Kirby, R., Carson, C., White, A. and Kirby, M. (eds.) *Men's Health* (4th ed). CRC Press (Taylor & Francis Group), London.

Submissions

- NDRI (2021). Brief NDRI Submission to the Review of the National Centre for Youth Substance Use Research (NCYSUR). National Drug Research Institute, Faculty Health Sciences, Curtin University, Perth, Western Australia.
- NDRI (2021). NDRI Submission to the Public consultation on interim decisions to amend the Poisons Standard (nitrous oxide) – Joint ACMS-ACCS, March 2021. National Drug Research Institute, Faculty Health Sciences, Curtin University, Perth, Western Australia.
- NDRI (2021). Submission from the National Drug Research Institute, Curtin University (NDRI) to the Select Committee on the Drugs of Dependence (Personal Use) Amendment Bill 2021 (ACT). National Drug Research Institute, Faculty Health Sciences, Curtin University, Perth, Western Australia.
- NDRI (2021). Submission from the National Drug Research Institute, Curtin University (NDRI) to the Draft National Preventive Health Strategy Consultation. National Drug Research Institute, Faculty Health Sciences, Curtin University, Perth, Western Australia.

Dissemination

Connections

Drug and Alcohol Research Connections - or *Connections* - is an online newsletter published jointly by NDRI and its sister organisations, the National Drug and Alcohol Research Centre (NDARC) and the National Centre for Education and Training on Addiction (NCETA). *Connections* covers the latest on research and publications, news and events from the three national centres, with a focus on the translation of research into policy and practice.

In addition to regular news and research updates, in 2021 NDRI's contributions included 'Conversation With...' articles featuring Paul Dietze and Jocelyn Jones and Opinion pieces examining the growing challenge of prescription, alcohol and other drug use among the elderly as well as outlining the support Aboriginal girls need from service providers, as uncovered by the 'YAWG' project. *Connections* is online at connections.edu.au.

Social Media

Recognising changes in communication in recent years, and the growing reliance of many segments of NDRI's target audience on social media to stay informed, NDRI has progressively increased its presence on social media as another means to disseminate research findings.

In 2021, the regular posting of relevant and useful content saw NDRI's following on Twitter and Facebook grow to more than 2800. In addition, NDRI webinar recordings are posted on the Institute's YouTube channel and LinkedIn is utilised to attract applicants for employment opportunities.

The Conversation

The Conversation is a respected outlet that aims to share academic research and the knowledge of subject experts on topical issues. In 2021, articles published on The Conversation website by NDRI researchers, on topics ranging from the effect of the pandemic on alcohol and other drug use and drug 'scare' campaigns to drink spiking and drug law reform, were read by an audience of more than 430,000 readers in more than 10 countries across the globe.

Website

NDRI views its website, at ndri.curtin.edu.au, as the Institute's 'public face', playing a critical role in sharing research news and disseminating research findings to raise its profile and reputation and assist in putting relevant research findings in front of policy makers and practitioners.

In addition, the NDRI website is the central information source for employment opportunities at the Institute as well as recruitment of participants to take part in NDRI research projects. In 2021, continual updating of topical and useful content saw the NDRI website receive more than 20,000 visitors.

Media

Traditional and online media remain important conduits for NDRI research to reach the community and inform policy. NDRI has built a reputation as a reliable source of scientific information and expertise on a range of issues concerned with the prevention of alcohol- and drug-related harm.

NDRI received 435 mentions in the media during 2021, with the provision of expert comment and evidence based research further enhancing NDRI's efforts to disseminate its research findings widely and to inform and participate in alcohol and other drug policy development in Australia.

NDRI research and expert commentary appeared in local, national and international electronic and print media, including news and opinion websites, on a diverse range of subjects relating to alcohol and other drug use, reflecting the variety of expertise at the Institute.

Topics that generated the most media interest included: the economic and social costs of alcohol use to Australia; preventing 'hangovers'; drug policy and law reform; declines in youth drinking and increasing trends towards non-alcoholic beverages; alcohol and drug use and testing in the workplace; and the impact of COVID-19 on alcohol and other drug use, including 'staying safe' as pandemic restrictions were eased.



Research Outputs

CONFERENCE PRESENTATIONS, WORKSHOPS AND MEETINGS

Conference Presentations

- Ayano, G. (2021) The risk of anxiety symptoms in young adult offspring of parents with mental health problems: Findings from the Raine study. Presented at the 29th European Congress of Psychiatry, Virtual, 10th-13th April 2021.
- Ayano, G. (2021) The risk of attention deficit hyperactivity disorder symptoms in the adolescent offspring of mothers with anxiety and depressive symptoms. Findings from the Raine study. Presented at 29th European Congress of Psychiatry, Virtual, 10th-13th April 2021.
- Dietze, P. (2021) Does take-home naloxone program participation result in the use of naloxone at witnessed overdoses: Findings from the SOS cohort study. Presented at the International Network for Health and Hepatitis in Substance Users Conference, Sydney, 13th-15th October 2021.
- Dietze, P. (2021) Opioid overdose – what next? Presented at the International Network for Health and Hepatitis in Substance Users Conference, Sydney, 13th-15th October 2021.
- Dietze, P. (2021) S-O-S – Implementation & Evaluation. Invited presentation at the College of Problems on Drug Dependence, USA, 23rd June 2021.
- Lee, N. (2021) Alcohol and Other Drugs in the Workplace: Policies minimise harm and help manage addiction? Keynote presentation at the Workplace Wellness Festival, Virtual Conference, Sydney, NSW, Australia, 22nd-23rd June 2021.
- Lee, N. (2021) Approaches to Methamphetamine. Invited, Keynote presentation at the 2021 Parliamentary Drug Policy Symposium, Parliament Buildings, Wellington, New Zealand, 12th-13th May 2021.
- Lee, N. (2021) Fitness for work: Managing alcohol and other drugs in the workplace. Invited, Keynote presentation at the AOD Workplace Conference, Online, 5th May 2021.
- Lee, N. (2021) Is my AOD service working? Invited, Keynote presentation at the AADANT Alcohol and other Drug Conference: Diversify and Adapt, Darwin Convention Centre, Darwin, NT, Australia, 18th-19th May 2021.
- Lenton, S. (2021) Beyond Cannabis Prohibition – Middle ground options for cannabis law reform & policy. Invited, Keynote presentation at the WA Alcohol and Other Drugs Conference 2021, Perth Convention and Exhibition Centre, Perth, 8th October 2021.
- Lenton, S. (2021) Beyond cannabis prohibition – Middle ground policy options for cannabis public health. Invited, Keynote, Plenary presentation at the Australian Public Health Conference 2021, virtual, Canberra, 23rd-24th September 2021.
- Lenton, S. (2021) Middle ground options for cannabis legalisation. Invited presentation at the End the Stigma: 2021 Cannabis Conference, UWA, Perth, Australia, 17th October 2021.
- Livingston, M. (2021) Regulating the physical availability of alcohol – A summary of Alcohol: No Ordinary Commodity, 3rd edition. Plenary presentation at the Global Alcohol Policy Alliance Conference, Virtual, 12th-14th October 2021.
- Livingston, M. (2021) Tracking the decline in adolescent drinking into adulthood, an Australian analysis. Presented at the Kettil Bruun Society 46th Annual Meeting, Helsinki, Finland.
- Stearne, A. (2021) Inclusion and incorporation of First Nations Australian Peoples' self-determination in alcohol-related policy development. Presented at the 6th National Indigenous Drug & Alcohol Conference: Pathways to Healing, Stamford Grand Glenelg, Glenelg, SA, Australia, 24th-26th March 2021.
- Walker, S. (2021) S-O-S – Implementation & Evaluation. Invited presentation at the Third WHO Forum on Alcohol, Drugs and Addictive Behaviours, Switzerland, 22nd June 2021.
- White, J. and Stewart, C. (2021) eHealth: the future of chronic disease prevention during and beyond COVID-19? Presented at the Preventive Health Conference 2021, Pan Pacific Perth, Perth, WA, Australia, 10th-12th May 2021.

Workshops and Meetings

- Allsop, S. (2021) ASSIST BI for Malaysian drug workers. Presented at the ASSIST BI for Malaysian drug workers, Webinar, 1st March 2021.
- Allsop, S. (2021) Screening and Brief Interventions for Pharmacist. Presented at the UWA Masters Pharmacy, 17th June 2020.
- Gilmore, W. (2021) Australian alcohol-attributable harm visualisation tool – an introduction. Invited presentation at the Centre of Research Excellence in Indigenous Health and Alcohol, University of Sydney.
- Grigg, J. and Soderstrom, J. (2021) Increasing trends in nitrous oxide use in Western Australia: A collaborative response. Invited presentation at the Mental Health Commission WA Alcohol and Other Drug Prevention Network meeting, Mental Health Commission, 4th November 2021.
- Lenton, S. (2021) Verbal presentation of evidence on Models of Cannabis law based on the NDRI Submission. Presented at the Hearing day – inquiry into the use of Cannabis in Victoria, Parliament of Victoria, Melbourne, Australia, 19th May 2021.
- Symons, M. (2021) Prevalence of FASD in Australia. Presented at the Faculty of Health Science Mark Liveris Seminar and Research Day 2021, Curtin University Technology Park, 26th August 2021.

Research Outputs

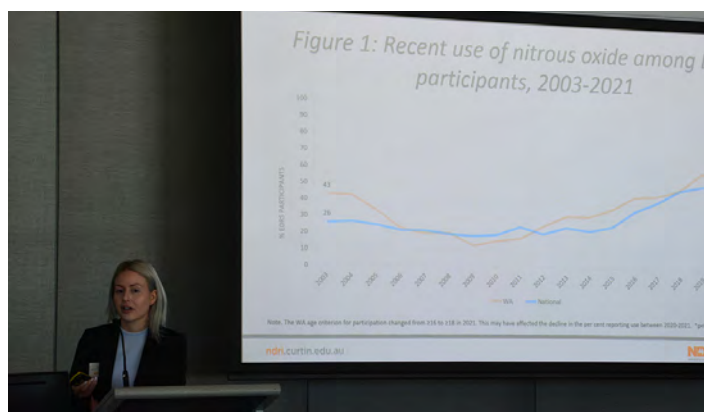
SYMPOSIUM PRESENTATIONS

Symposium Presentations

Dietze, P. (2021) Take-home naloxone in Australia. Presented at the APSAD 2021 conference. 7th-10th November 2021.

Gilmore, W. (2021) Association between the Australian alcopops tax and national chlamydia rates among young people. Presented at the NDRI 2021 Symposium - Working Together: Community Collaboration in Drug Policy and Practice Research, Perth Convention and Exhibition Centre, Perth, 6th October 2021.

Grigg, J. (2021) Increasing trends in nitrous oxide use in Western Australia: A collaborative response. Presented at the 2021 NDRI Symposium, Perth Convention and Exhibition Centre, 6th October 2021.



Hazeldine, S. and Tait, R.J. (2021) Emergency Department alcohol screening and brief intervention management of alcohol-related problems: Critical role of the GP in preventing re-admission. Presented at the National Drug Research Institute Symposium, Perth Convention Centre, 6th October 2021.

Lee, N. (2021) Integrating AOD and mental health sectors: dreaming the impossible dream? Keynote presentation at The 2021 NDARC Annual Research Symposium, Online, 20th-22nd October 2021.

Lee, N. (2021) Trends in ice use and future directions in treatment. Invited, Keynote presentation at the Walk on the Wild Side, Royal Brisbane and Women's Hospital, Herston, QLD, Australia, 14th May 2021.

Lenton, S. (2021) Overview of NDRI and its research. Invited presentation at the Australian Indigenous HealthInfoNet Perth Roundtable: May 2021, 19th May 2021.

Lenton, S. (2021) The International cannabis cultivation survey 2021: First Australian results. Presented at the NDRI 2021 Symposium - Working Together: Community Collaboration in Drug Policy and Practice Research, Perth Convention and Exhibition Centre, Perth, 6th October 2021.

Livingston, M. (2021) Understanding Youth Drinking Declines. Presented at the National Drug Research Institute Symposium, Perth Convention Centre, 6th October 2021.

Stearne, A. (2021) First Nations Australians' self-determination in the process of developing alcohol-related policy: A Delphi study. Presented at the Centre of Research Excellence: Indigenous Health + Alcohol: 2021 Symposium Series, 29th July-18th November 2021.

Stearne, A. (2021) First Nations Australians' self-determination in the process of developing alcohol-related policy: A Delphi study. Presented at the National Drug Research Institute Symposium, Perth Convention Centre, 6th October 2021.

Stearne, A. and Butt, J.C. (2021) Approaches to Alcohol: Policy and Practise – through an Aboriginal Lens. Invited presentation at the Royal Australian and New Zealand College of Psychiatrists: 2021 WA Addictions Symposium. Alcohol ... Where to from here?, The University of WA Club, 13th November 2021.

Stewart, C. and Wife, J. (2021) Collaborating with schools in prevention research: Experiences from the Health4Life study. Presented at the NDRI 2021 Symposium - Working Together: Community Collaboration in Drug Policy and Practice Research, Perth Convention and Exhibition Centre, Perth, 6th October 2021.

Symons, M., Meehan, J. and Clancy, N. (2021) Nurturing families: Life changing outcomes for first pilot trial of the parent-child assistance program in Australia. Presented at the NDRI 2021 Symposium - Working Together: Community Collaboration in Drug Policy and Practice Research, Perth Convention and Exhibition Centre, Perth, 6th October 2021.



Research Outputs

SEMINAR PRESENTATIONS

Seminar Presentations

Dietze, P. (2021) 'VMAX': Investigating methamphetamine use and related harms in metropolitan, regional and rural Victoria via an ongoing prospective cohort study. Presented at the VAADA Communities of practice seminar, 24th September 2021.

Dietze, P. (2021) Alcohol and other drugs. Invited presentation at the Second Year Guest Lecture, Melbourne University Dental School, Melbourne, 5th May 2021.

Dietze, P. (2021) Key impacts of the Melbourne Supervised Injecting Room. Invited presentation at the National Drug and Alcohol Research Centre Webinar Series, 10th June 2021.

Dietze, P. (2021) Opioid use disorder and responses in Australia. Invited presentation at the Harvard University Medical Centre, Center for Global Health Delivery – OUD around the Globe: A speaker series, USA, 15th June 2021.

Dietze, P. (2021) Oral Health related quality of life in people who use drugs, opportunities for collaboration. Presented at the Australian Research Centre for Population Oral Health Seminar Series.

Farrugia, A.C. and Dietze, P. (2021) Understanding the impediments to uptake and diffusion of take-home naloxone in Australia: Report launch and findings from a large qualitative study.

Farrugia, A.C., Fraser, S., Dicka, J., Dietze, P. and Ferguson, N.C. (2021) Understanding the impediments to uptake and diffusion of take-home naloxone in Australia: Report launch and findings.

Grigg, J. (2021) Help seeking – Looking after your mates at festivals or Leavers. Invited presentation at the Department of Education - Road Safety and Drug Education - Filming of Expert Interviews , Vin and Flower, WA, Australia, 6th July 2021.

Grigg, J. (2021) Why do people use illicit drugs? Presented at the Lecture for Notre Dame University – Unit MEDI62000, Zoom VideoConferencing, 17th May 2021.

Lee, N. (2021) Exploring the place of alcohol and other drug services in the mental health system. Keynote presentation at the South Eastern Sydney Drug & Alcohol Steering Committee & Interagency Sector Professional Development & Partnership Series.

Lenton, S. (2021) Increasing Naloxone Availability in Australia: Past, Present & Future. Invited, Keynote presentation at the Community Pharmacotherapy Program Series, Royal Perth Hospital, Perth, 18th March 2021.

Livingston, M. (2021) Youth drinking declines – what have we learned? Presented at the NDARC Seminar Series.

Livingston, M. (2021) Youth drinking declines - what have we learned? Presented at the WA Alcohol and Drug Prevention Network, Virtual, 27th May 2021.

Stearne, A. (2021) First Nations Australians' health and self-determination. Invited presentation at the Human Rights Theory & Philosophy (Guest Lecture), Curtin University, 18th May 2021.

Stearne, A. (2021) Indigenous rights: Social determinants of health. Invited presentation at the Lecture for Curtin University Online Unit HRIG5005 Indigenous Rights: Social Determinants of Health, 19th August 2021.

Walker, S. (2021) Lived experiences of incarceration and release for young men with histories of injecting drug use: Challenging taken-for-granted assumptions. Presented at the Victorian Substance Use Research Forum (VSURF) – Webinar, 19th February 2021.

NDRI Web/Seminar Series

NDRI hosts regular events as part of its Webinar/Seminar Series.

These seminars serve several purposes. They provide NDRI staff with an avenue to disseminate research findings; they help build the presentation skills of early career researchers; and they provide a forum for NDRI staff and others in the alcohol and drug field to hear from visiting researchers.

All NDRI webinars are recorded and posted on the Insitute's YouTube channel.

Due to the restrictions of COVID-19, NDRI was only able to host two events in 2020, both online.

'Understanding and preventing opioid overdose: From the global to the local

7 July 2021

Professor Paul Dietze

'Behind their curtains – empowering young Aboriginal women, informing service providers

2 June 2021

Dr Mandy Wilson and Deborah Olow



People

Professors

Simon Lenton (**Director**)
Steve Allsop
Tanya Chikritzhs
Paul Dietze

Associate Professors

Nyanda McBride
Michael Livingston

Senior Research Fellows

Jocelyn Jones
Robert Tait

Research Fellows

Cathy Garlett
William Gilmore
Martyn Symons
Mandy Wilson

Research Associates

Seraina Agramunt
Juliet Brook
Jodie Grigg
Aqif Mukhtar
Annalee Stearne

Senior Research Officers

Esandra Colbung
Anita Blackwell
Julia Butt
Angela Drurey
Julie Dunlop
Gail Jones
Jennifer Opie
Lyn Roarty

Research Officers

Shady Abdelsalam
Emma Haynes
Deborah Olow

Research Assistants

Megan Baker
Ashani Jeyadevan
Ruby Morris
Lena Niklasson
Lily Palmer
Claudia Reedy
Esther Shackleton
Courtney Stewart
Emily Stewart
Jesse Whife

Business Services

Fran Davis, Business Manager
Jo Hawkins, Administration Officer
Paul Jones, Computer Systems Officer
Patricia Niklasson, Administration Officer
Vic Rechichi, Communications Officer

PhD Scholars

Shady Abdelsalam
Bernard (Wai Shing) Fan
James Fetherston
William Gilmore
Parameswary Karpusamy
Julia Stafford
Annalee Stearne
Susan Stevens
David Tucker

Masters Scholars

Rosemary Whalley

Adjunct Appointments

David Hawks, Emeritus Professor
Professor Tony Butler
Professor Ian Gilmore
Professor Kate Graham
Professor Dennis Gray
Professor Nicole Lee
Professor Richard Midford
Professor Peter Miller
Professor Simone Pettigrew
Professor Moira Plant
Professor Tim Stockwell
Professor Diana Egerton-Warburton
Associate Professor John Boffa
Associate Professor Rebecca McKetin
Associate Professor Kylie Lee
Neil Donnelly, Senior Research Fellow
Anne-Marie Laslett, Senior Research Fellow
Susan Carruthers, Research Fellow
Michael Christmass, Research Fellow
Adrian Farrugia, Research Fellow
Himanshu Gupta, Research Fellow
Peter Higgs, Research Fellow
Tina Lam, Research Fellow
Wenbin Lian, Research Fellow
Lynn Roarty, Research Fellow
Jesse Young, Research Fellow



Curtin University