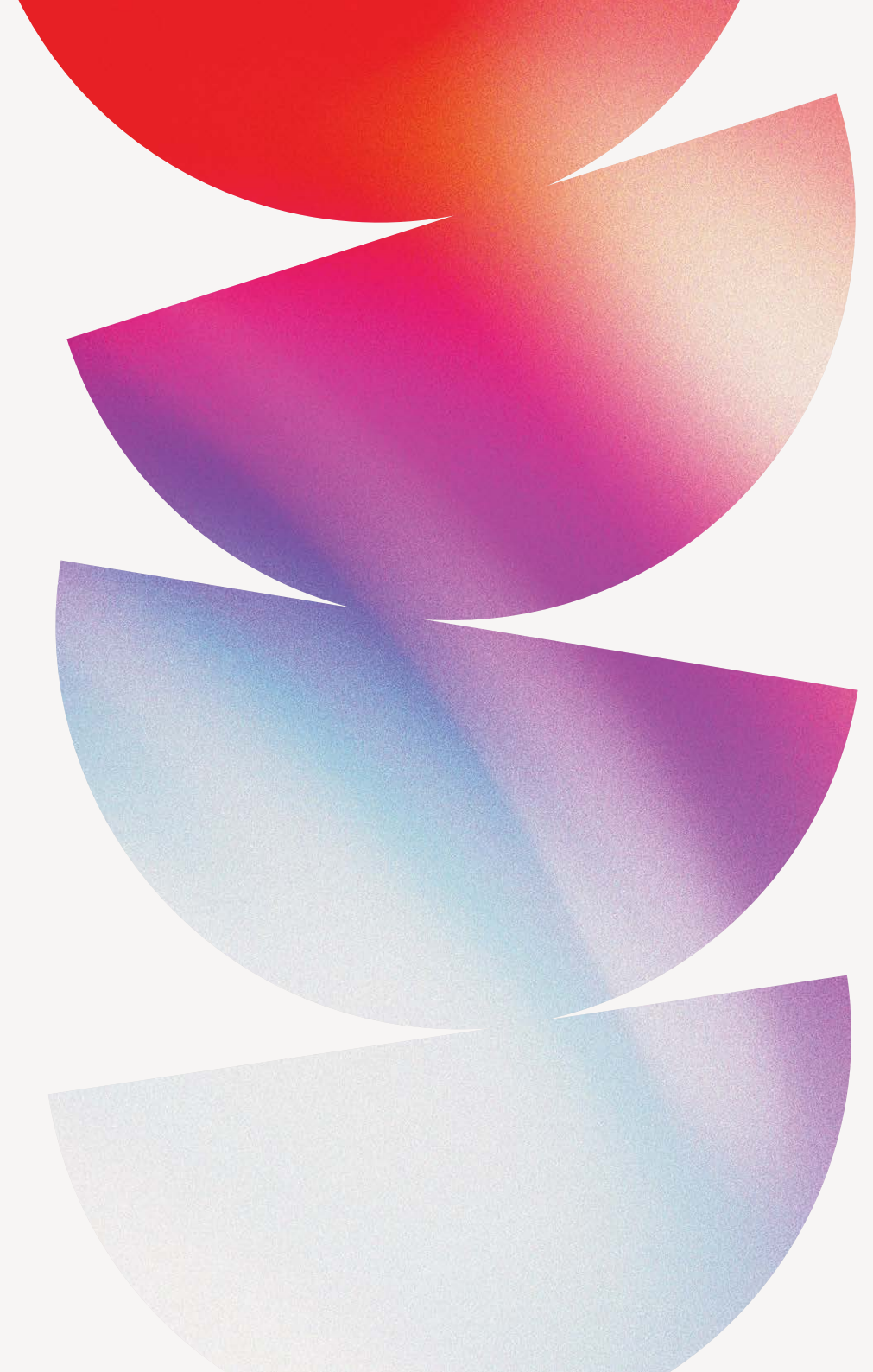


Annual Report 2021

The National Centre for Youth Substance
Use Research (NCYSUR)



CREATE CHANGE



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Message from the Director

It has been 13 years since the establishment of NCYSUR, formerly CYSAR, as a Faculty-level centre. During this time, NCYSUR has established itself as an internationally recognised centre for research that promotes the health and wellbeing of young people and provides effective approaches to minimise harms from substance use. We secured competitive Commonwealth funding, and the renewal of this support, becoming one of the four Australian national addiction centres. We achieved a strong track record in research impact, translation, and advocacy for young people, graduated PhD students, developed and mentored early career researchers and senior academics, and contributed to research collaborations, teaching and service.

During the first pandemic year of 2020, our staff and students were able to demonstrate exemplary resilience to COVID-19 response disruptions and restrictions, thanks in no small part to the dedication and commitment of our Faculty management and support team, the support and guidance of our Advisory Board, and close engagement with trusted partners, especially the Lives Lived Well research group in UQ School of Psychology. Against the odds, just as travel and assembly restrictions were being lifted at years' end, we gathered at UQ Customs House to celebrate the UQ Life and appointment of former Director Wayne Hall as Emeritus Professor. With exquisite timing between travel restrictions and lockdowns, Honorary Professor John Saunders and others travelled interstate to celebrate the endurance of the Centre and recommit to its future.



Above NCYSUR gathering at UQ Customs House, Brisbane City, December 17 2020 for Wayne Hall retirement and appointment as Emeritus Professor

In 2021, the renewal of the Centre's Strategic Plan took place against the backdrop of significant uncertainty. Although the national vaccination plan began implementation in February, Australia's international borders remained largely closed until mid-December and a series of lockdowns and state border closures continued to affect all aspects of academic life including student placements and scientific meetings. This second pandemic year has been especially impactful for our young students and early career researchers with family far away. I feel especially appreciative of the warm and close engagement and mutual support on display within the Centre and its networks throughout the year.

In 2021 NCYSUR also underwent an external review of its research and policy performance, as part of a regular 5-year Faculty-Centre review cycle at The University of Queensland. The independent, external review identified that NCYSUR was performing well above world standard in all areas of youth substance use research and policy; has had an “outstanding” impact in the field and is held in “high esteem among national and international peers”. The Centre’s overall research performance was independently established, in part, by calculating its Field Weighted Citation Impact (FWCI), a widely used metric to assess research quality and translational impact. NCYSUR scored an FWCI of 10.68; meaning it is achieving over 10 times the impact of similar Centres internationally.

As Director, I have been focused on keeping the doors open and the lights on so the Centre’s mission and goals for improving youth health could be met by a very talented and hardworking team. It has been heartening to see the achievements of our staff and students recognised with Commonwealth support, prestigious prizes and media attention in these difficult times; even more so to witness the empathy and dedication to high ideals reflected in the activities detailed in the following report.



Professor Jason Connor
Director

NCYSUR has established itself as an internationally recognised centre for research that promotes the health and wellbeing of young people and provides effective approaches to minimise harms from substance use.

Our Purpose

NCYSUR is one of the four Commonwealth-funded alcohol and other drug research centres in Australia and the only centre dedicated to youth.

We seek to reduce the prevalence and severity of problem alcohol and drug use in Australian communities; enhance research capacity informing national efforts to address youth substance use; and increase our knowledge on treatment approaches for emerging drugs of concern and innovative treatment model.

NCYSUR's goals:

- Understand the pathways by which young people engage in substance use.
- Be at the cutting edge of research into new and innovative ways of preventing and treating problem substance use among young people.
- Make significant and tangible improvements to youth service provision.
- Positively influence state and national approaches to youth problem substance use prevention and treatment through information dissemination, policy refinement and public advocacy.
- Ensure youth have a voice and input into the research directions of the Centre.

Our mission is to promote the health and wellbeing of young people by increasing Australia's capacity to respond effectively to any harm arising from substance use.



Above Strategic Planning Day

Strategic Plan 2022-2026

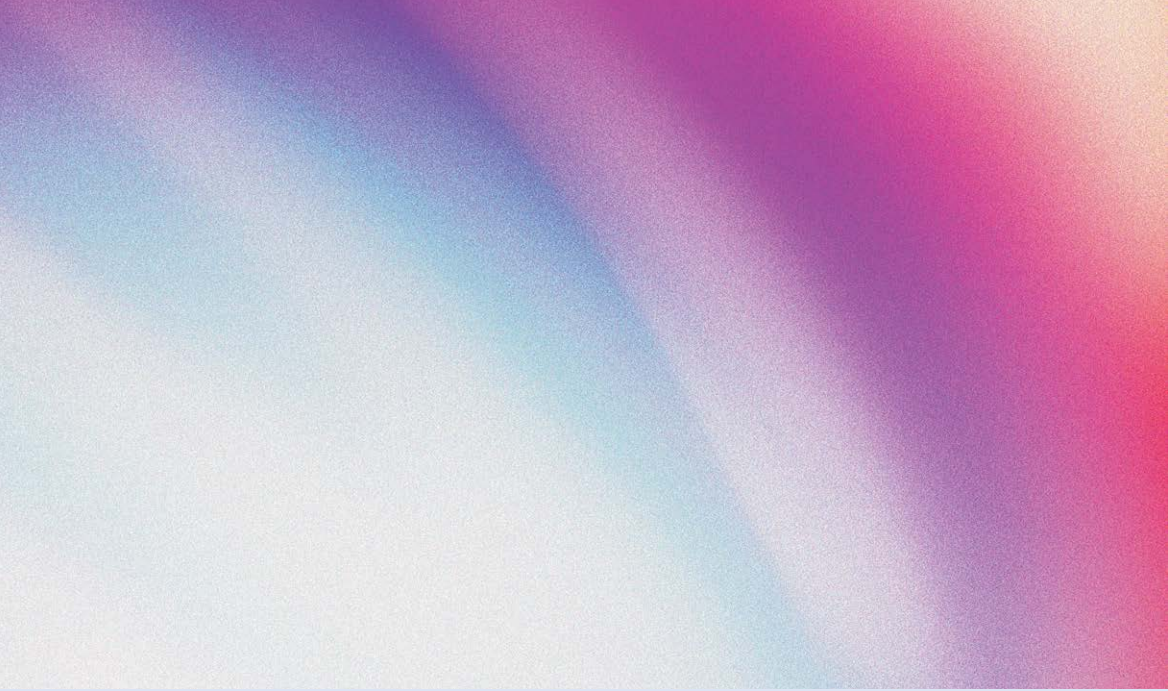
NCYSUR underwent a strategic planning process guided by Professor Ross Young, Deputy Vice Chancellor for Research and Innovation at Sunshine Coast University and former Executive Dean of Health, QUT. Professor Young has been with NCYSUR since its inception, as a founding Advisory Board member, then as Honorary Professor. Professor Young conducted independent and confidential consultations with staff and RHD students at NCYSUR and its affiliated Lives Lived Well group. He facilitated a Strategic Planning Day in May attended by 30 NCYSUR/LLW staff and students. NCYSUR staff and students prepared the refreshed Strategic Plan.

Objective 1: As a distinctive and purposeful research centre focused on young people we:

- Generate new evidence to prevent or treat substance use in young people
- Synthesise existing evidence into policy

Objective 2: To engage with young people, families, schools and the public we:

- Raise awareness of the Centre's work beyond the academic community
- Communicate our research outcomes in a targeted and user-friendly manner



Objective 4: To work efficiently, effectively and supportively we:

- Nurture and sustain strong connections across our team
- Support the continuum of research from primary prevention to treatment to ensure a diversity of skills and opportunities for the centre

Objective 3: To make sustained improvements in the lives of young people we:

- Provide regular policy submissions and comments on policy
- Work with a variety of media to give visibility to the substance use issues faced by young people and how to respond to these issues effectively
- Increase access to evidence-based treatment and reduce the time between the onset of substance use problems and the receipt of care



External Review

NCYSUR's second 5-year External Review was held in September, as part of a regular 5-year Faculty-Centre review cycle at The University of Queensland. Professor Steve Allsop led the Expert Panel convened for the Review. Other panel members included the newly appointed NCYSUR Advisory Board Chair Professor Gregory Monteith, Associate Dean (Research), Faculty of Health and Behavioural Sciences at UQ, Professor Jane Pirkis from the University of Melbourne, and Professor Anna Chur-Hansen from the University of Adelaide. A very positive External Review result was achieved by NCYSUR; the Review Panel identified that NCYSUR was performing well above world standard in all areas of youth substance use research and policy; has had an "outstanding" impact in the field and is held in "high esteem among national and international peers". The Centre's overall research performance was independently established, in part, by calculating its Field Weighted Citation Impact (FWCI), a widely used metric to assess research quality and translational impact. NCYSUR scored an FWCI of 10.68; meaning it is achieving over 10 times the impact of similar Centres internationally.

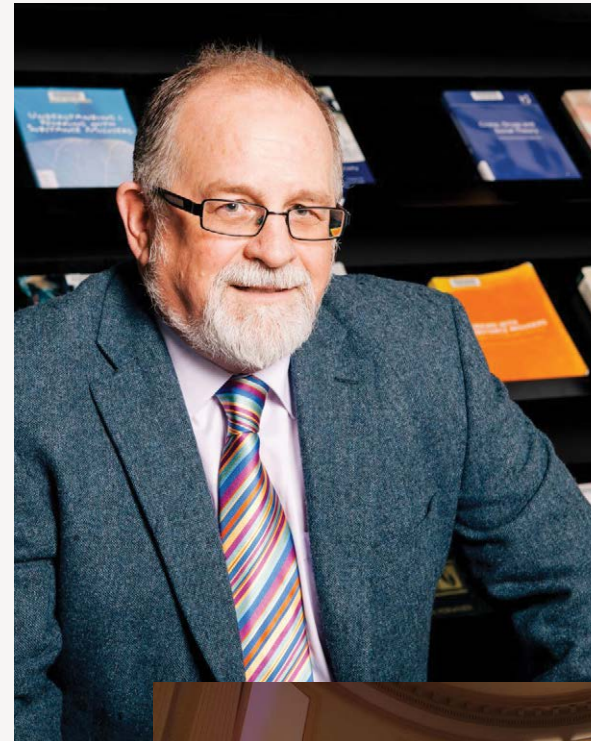
Left NCYSUR looks to the future in late 2021 on retreat at Stradbroke Island

Awards & Honours

The Centre enjoyed a stellar awards season following the meeting of its External Review Panel. In September, Dr Gary Chan was awarded the *UQ Foundation Research Excellence Award* at Customs House by the UQ Vice Chancellor and Dr Janni Leung was congratulated for the award of her *NHMRC Investigator Fellowship*. In November, Janni was recognised in The Australian newspaper's annual list of the *40 Australian Young Rising Research Stars and Leaders of the Future*; Gary won the *Faculty of Health and Behavioural Sciences Global Engagement Award*, and Professor Leanne Hides received the *APSAD Senior Scientist Award* for her outstanding contributions to the field at the 40th meeting of the Australasian Professional Society on Alcohol & other Drugs (APSAD). Finally, for the second year in a row, Emeritus Professor Wayne Hall was honoured as a *Clarivate Highly Cited Researcher*, in recognition of his continuing global impact and influence on debates over policy responses to potential harms from cannabis, alcohol, tobacco, opioids, and stimulants.

Top Right Highly Cited Author Emeritus Professor Wayne Hall

Bottom Right Dr Gary Chan receives the Faculty Global Engagement Award from UQ Faculty of Health and Behavioural Sciences Executive Dean Professor Bruce Abernethy



Key Centre Funding & Research Outcomes

Australia's National Drug Strategy identifies young people as a priority population. NCYSUR is guided by the three pillars of the NDS, *demand reduction*, *supply reduction*, and *harm reduction* in translating its research findings into youth relevant public messages, contributions to policy, and clinical practice.

NCYSUR's research funding has been enhanced by support from the Commonwealth Department of Health Drug and Alcohol Program grant (2017-2019 and 2019-2022). The Centre is currently 100% funded by external grants. Competitive fellowships have facilitated growth via new appointments. Project grants (NHMRC, ARC, Industry-based, Hospital-based) have provided additional research funding support. NCYSUR has also been the recipient of non-competitive grants and tenders for projects consistent with core research objectives. Institutional start-up funding and philanthropic support were critical in establishing the Centre and leveraging additional research funding.

NCYSUR's high-achieving students are supported by a range of scholarships and conduct research on key topics of public interest. Their success in publishing their PhD research in leading research journals and presenting at national and international scientific meetings has attracted international attention to the centre's research program and activities and led to opportunities to engage with communities and the policy process.



Right Lives Lived Well research group presenters on their way to APSAD

New & Continuing Research Funding

Dr Janni Leung was awarded a five year NHMRC Investigator Fellowship worth \$650,740 to commence in 2022, 'Reducing the impact and burden of substance use on mental health'.

Professor Leanne Hides led a successful application for a \$2.5 million Centre of Research Excellence in values- based alcohol and other drug care commencing in 2022, a collaboration between her Lives Lived Well (LLW) Research Group in UQ School of Psychology and NCYSUR investigators Professor Jason Connor, Dr Gary Chan, and Dr Janni Leung, with partners at University of Wollongong, UQ Centre of Behavioural and Economics of Health, NDARC at UNSW, University of Newcastle and King's College London.

Dr Janni Leung, PhD student Ms Carmen Lim and Psychology Honours student Ms Caitlin McClure-Thomas were awarded a \$44,000 Australia-Indonesia Institute Grant, 'Responding to Indonesia's tobacco public health crisis', sponsored by the Federal Government, starting in 2022.

Dr Gary Chan's UQ Foundation Research Excellence Award for 'Cannabis - A joyful treat or devil's fruit?', worth \$75,000 will also commence in 2022.

A/Professor Matthew Gullo is a Chief Investigator on a \$1.5M Commonwealth Department of Health Drug and Alcohol Program grant on Foetal Alcohol Spectrum Disorder (FASD), led by Dr Natasha Reid (School of Medicine).

Professor Jason Connor is a Chief Investigator and Queensland site lead on a successful NHMRC Clinical Trials and Cohort Studies Grant lead by University of Sydney entitled A Randomised Controlled Trial of N-Acetylcysteine for the Treatment of Alcohol Use Disorder, worth \$1.3M over 4 years.

Dr Chan is a Chief Investigator on one of the two successful NHMRC partnership grants awarded at UQ, BALANCE: Promoting wellBeing in AdoLescent and young Adult caNCER survivors for \$1,25 million led by Professor Sandie McCarthy from the UQ School of Nursing.

A/Professor Gullo is a Chief Investigator on a successful MRFF grant led by Dr Sarah Wallace in SHRS - 'Measuring, monitoring, and motivating adherence to self-managed aphasia treatment', \$388k over 2 years.

Dr Leung was successful in applying to the UQ Global Strategy and Partnerships Seed Funding Scheme for her project "Addressing the public health crisis of adolescent smoking across Southeast Asia" for \$10,000 seed funding, matching funds from HABS Faculty, and in-kind partner contributions.

Dr Chan continued his highly productive five year NHMRC Investigator Fellowship on e-cigarettes and vaping.

Other continuing grants in 2021 are listed in the Appendices.

Publication & Media Highlights

Harmful substance use is the leading cause of death and disability in young people. Alcohol, tobacco and cannabis contribute to more than 10% of Australia's disease burden. The best chance of improving the health of the next generation of Australians is by modifying uptake, access to and use of these high prevalence substances.

Social influence and modelling are key determinants of youth substance initiation, use and misuse which have been impacted by YouTube, Instagram, Twitter, Facebook and TikTok. COVID-19 pandemic restrictions have exacerbated these trends. The relationship between social media engagement and harmful substance use among young people was a key theme in high profile publications of the Centre in 2021.

To inform the public about NCYSUR's research, the Centre issues regular media releases. NCYSUR's research findings are regularly featured in major local and global media outlets.

In January, a study led by Dr Gary Chan on negative life outcomes of regular cannabis use attracted significant media attention. Gary spoke to ABC News, The World Today, and Triple J Hack about the findings which were widely reported, including in science magazine Cosmos.

NCYSUR is guided by the three pillars of the NDS, *demand reduction, supply reduction, and harm reduction* in translating its research findings into youth relevant public messages, contributions to policy and clinical practice.

In February, PhD student Ms Carmen Lim led a study examining an apparent surge in videos on cannabis vaping on YouTube with a large proportion of these not age restricted, a finding that generated significant media coverage, reach and impact. Ms Lim increased the accessibility of the findings for youth audiences by publishing a YouTube video summary of the study promoted during her live interview on Brisbane community radio station 4ZZZ.

In March, PhD student Jack Chung and supervisors were invited to quickly respond to public questions on a much-publicised pandemic response-linked behaviour in an invited letter to the Brisbane Courier-Mail.

In April, a systematic review led by Dr Gary Chan found that e-cigarettes may be more effective in helping smokers quit than nicotine replacement therapies. Another systematic review in *Addiction* examined the issue of whether e-cigarette use by youth was a gateway to cigarette smoking, an important policy issue. Chan et al found that adolescents at greatest risk of e-cigarette use are at higher risk of smoking cigarettes and using other drugs because of traits such as sensation seeking, risk-taking, and oppositional behaviour.

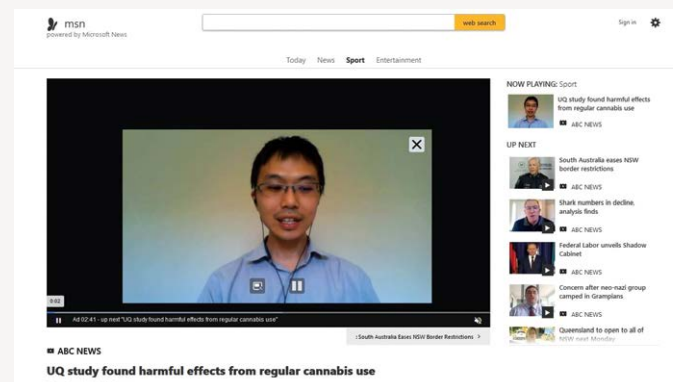
In May, Dr Gary Chan served on an expert panel on Channel 7's live Sunrise program on youth vaping.

In June, following the publication of the article "Vape fad at schools" in the Courier-Mail, Dr Gary Chan was interviewed at his home office by a Channel 7 news crew.

Top Right Dr Gary Chen interviewed for ABC News

Middle Right PhD student experience communicating research findings for the public

Bottom Right Dr Gary Chan's expertise was offered to the general public on Sunrise





Above NCYSUR postdoctoral fellow Dr Adeleke Adewumi at UQ PhD graduation with supervisor Professor Jason Connor

In June, a population study that found an eleven-fold increase in prescribing of strong opioid medications in Queensland over two decades led by NCYSUR Postdoctoral Fellow Dr Adeleke Adewumi. The study was published in the *Medical Journal of Australia* and was selected to be press released to the media with a commissioned commentary from leading experts in the field.

In July, PhD student Ms Tianze Sun's research on vaping related content on TikTok was published in the leading international journal *Tobacco Control*. The study findings that TikTok exposes young people to videos that could reinforce a positive attitude towards vaping and e-cigarette usage were reported in major national and international newspapers and media outlets including ABC radio and The Guardian. Tianze was interviewed live on air for New Zealand radio and invited to address students at Marist College Ashgrove in Brisbane.

In October, Ms Carmen Lim received extensive public and international media attention from major news outlets including Reuters, CNN, Forbes, and NPR (US National Public Radio) for her meta-analysis in leading US medical journal *JAMA Pediatrics*. Carmen's findings reporting an increase in adolescent cannabis vaping in the US and Canada were highlighted in *News from the JAMA Network* for January 4th 2022.

The best chance of improving the health of the next generation of Australians is by modifying uptake, access to and use of high prevalence substances.

A *Lancet* journal publication discussed the failed 2020 cannabis legalisation referendum in New Zealand; a commentary on the role of drug policy in minimising harm from illicit drug prohibition appeared in the *American Journal of Bioethics*. A review of user responses to high potency cannabis was noted in leading US newspaper *The Washington Post*. NCYSUR and the CI for NHMRC CRE for Cannabinoid Clinical and Research and the NSW Clinical cannabis Medicines Program published a letter to the *Journal of Psychopharmacology* on risks and benefits of facilitating patient access to medical cannabis. NCYSUR researchers and RHD students published studies on Australian support for medical and recreational cannabis legalisation and the public health impacts to date of legalisation in the USA.

Wastewater based epidemiology is a new approach to biologically estimate substance use at a population level. To increase validity, it can be triangulated with more traditional methods, such as self-report data. With colleagues at UQ Qld Alliance for Environmental Health Sciences, a study demonstrated that WBE methods could detect the impact of changes in alcohol policy on population alcohol consumption in the Northern Territory. With international collaborators at University of Antwerp and Shenzhen University and UQ QAEHS, WBE was assessed for monitoring pharmaceutical misuse. WBE to monitor drug use in the prison setting was assessed in a report for the European Union presented at an EMCDDA webinar in June. In November, an invited commentary on the possibility of banning smoked tobacco sales led by an NCYSUR PhD student was published in *MJA Insight*.

Contribution to Clinical Guidelines for the Management of Substance Use

On February 25, The Springer Nature Group published a NCYSUR-led invited international expert collaboration in one of the world's most impactful journals, *Nature Reviews Disease Primers*, now open access on PubMedCentral. *Nature Primers* are invited clinical position statements by international leaders in their research fields. In this Primer led by the NCYSUR Director, the authors outlined key open research questions on cannabis use and cannabis use disorders and the evidence for effective prevention and treatment. It was a key data source for the World Health Organization Report "Health and Social Effects of Nonmedical Cannabis Use" (forthcoming). A commissioned 'PrimeView' illustrated summary accompanied the paper.

On 25 May, NCYSUR was well represented at the presentation and launch of the *2021 National Treatment Guidelines for Alcohol Problems* in Sydney. Professor Jason Connor is a member of the expert panel commissioned by the Commonwealth of Australia to guide the development of the Guidelines, which provide up-to-date, evidence-based information to health professionals on treatments for people with alcohol problems.

They are largely directed towards general practitioners, specialist medical practitioners, psychologists, counsellors, nursing staff, and other health professionals.

NCYSUR authors that contributed to the *2021 National Treatment Guidelines for Alcohol Problems* as international leaders in screening and assessment, brief interventions and psychosocial interventions include Honorary Professor John Saunders, Dr Daniel Stjepanović, Professor Jason Connor, Professor Leanne Hides, and Associate Professor Matthew Gullo. Matthew's national webinar for the Australian Psychological Society on "what psychologists need to know" about the 2021 Guidelines attracted more than 1000 registrants. An abbreviated version of the Guidelines has been published in the *Medical Journal of Australia*.

International & National Meetings

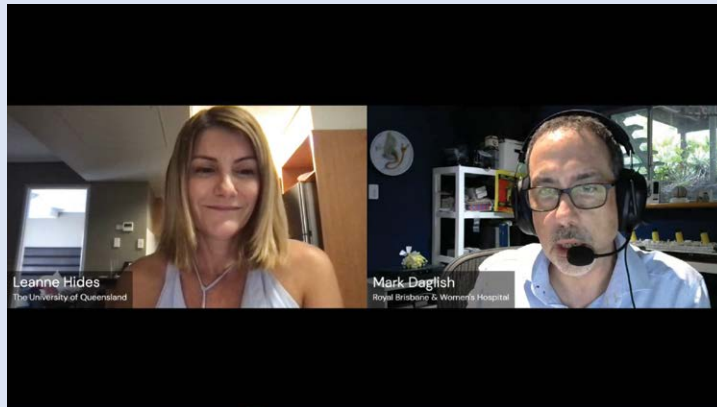
21-24 June: several NCYSUR abstracts accepted at the 83rd annual scientific meeting of the College on Problems of Drug Dependence, the most important North American annual meeting in the field, on Substance Use and Emotional Well-Being in Adolescents – A Cross-Sectional and Longitudinal Analysis of Australian Students Living Through the COVID-19 Pandemic, and Mental Health and Resilience as Associates of Changes in Substance Use Through COVID-19 Among People in Treatment for Substance Use Disorders.

23 June: Emeritus Professor Wayne Hall presented findings from his 2020 update for the World Health Organization on cannabis and health at the Third WHO Forum on Alcohol, Drugs and Addictive Behaviours: Accelerating Public Health Actions and Addressing New Challenges During the COVID-19 Pandemic on 23 June. Emeritus Professor Hall appeared on a panel with US National Institute on Drug Abuse Director Nora Volkow. Honorary Professor John Saunders was also a presenter at the Forum on the topic 'Disorders due to substance use and addictive behaviours: what's new in ICD-11?'

20-24 June: a NCYSUR-led symposium on Innovations in Alcohol Pharmacogenomics organised by Professor Jason Connor was accepted for the Research Society on Alcoholism annual conference in New Orleans, USA but unfortunately cancelled due to pandemic related travel restrictions. Abstracts were published in Alcoholism, Clinical and Experimental Research on whether polygenic risk moderates the causal association between reward-related impulsivity and adolescent alcohol use, functional imagery training by phone for Alcohol Use Disorder, and whether alcohol craving is reduced in patients prescribed naltrexone who also carry the OPRM1 ASN40ASP polymorphism (RS1799971).

3-6 September: NCYSUR research on the prevalence of illicit substances in personal vaporisers on online cryptomarkets led by PhD student Ms Carmen Lim was presented at the 2021 World Congress of Epidemiology. After the in-person conference in Melbourne was cancelled in 2020 and again in 2021, the 22nd triennial meeting of the International Epidemiological Association (IEA) took place virtually in early September 2021 organized by the Australasian Epidemiological Association (AES) in collaboration with the IEA.

10 October: Emeritus Professor Wayne Hall was a discussant for the Keynote by Carhart-Harris: Emerging pharmaceutical drugs, including psychedelics and new drug treatments for addiction and mental health, at the 2021 NDARC Research Symposium held online.



APSAD Virtual

7-10 November: Asia Pacific's leading multidisciplinary addiction conference, the Australasian Professional Society for Alcohol and Drugs (APSAD) was to have been held in Brisbane in 2021, but due to pandemic impacts, APSAD was compelled by safety concerns to hold an all virtual meeting for the second year running.

Meeting convenors Professor Leanne Hides and Associate Professor Mark Daglish welcomed locals with a 40th birthday COVID-safe gathering in the heart of the city on the eve of APSAD. NCYSUR celebrated 40 years of APSAD with 40 Symposium papers, oral presentations, on demand presentations, and posters. Dr Gary Chan led the APSAD Symposium "Epidemiology and potential public health benefits and harms of vaping - implication to tobacco control policies". NCYSUR and affiliated Lives Lived Well group academics booked conference rooms at UQ to provide students and ECRS with a face-to-face vibe.



Top APSAD virtual meeting convenors

Bottom APSAD socials

Webinars and invited presentations (*selected*)

22 September: Dr Gary Chan gave a Centre of Research Excellence on Achieving the Tobacco Endgame webinar ‘The impact of tobacco control policies on adolescent vaping in 44 lower-middle, upper-middle, and high-income countries’

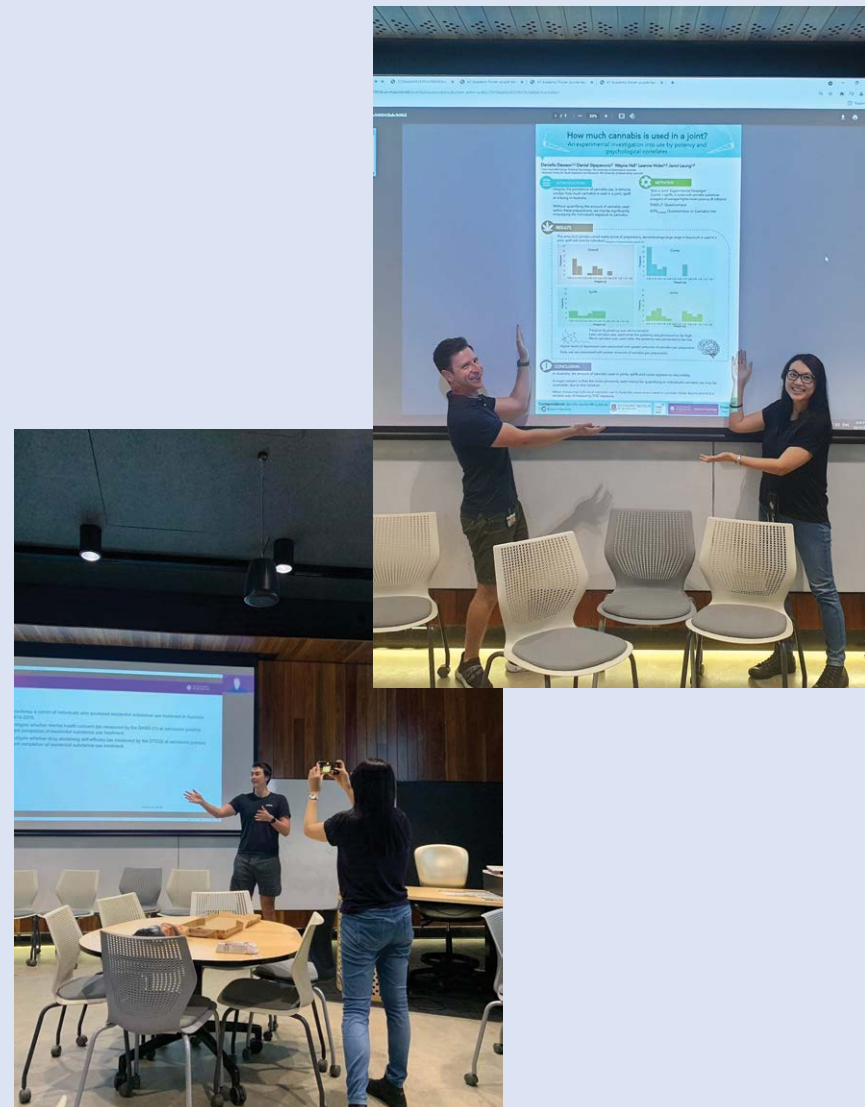
14 October: NCYSUR students and supervisors delivered a “teach-in” series of guest lectures on current topics in substance use and addiction, UQ School of Psychology

27 October: Professor Leanne Hides gave a NCYSUR webinar “Keep it Real: A web-based program for reducing cannabis use and psychotic experiences in young people”

17 November: Honorary Professor John Saunders gave a NCYSUR webinar on Behavioural Addictions focusing on Gaming Disorders

3 March: Emeritus Professor Wayne Hall gave an invited lecture to the Finnish Society of Addiction Medicine, University of Turku on the adverse health effects of cannabis

Right NCYSUR and LLW get together for APSAD





Above NCYSUR students and supervisors preparing to teach at UQ

28 May: Dr Janni Leung gave an invited talk for the Expert Webinar Series for Parents, subsequently published on YouTube on the epidemiology of adolescent cannabis use to an audience of more than 1,000 convened by Colorado-based non-profit organization Johnny's Ambassadors.

30 May: Dr Janni Leung gave an invited webinar on clinical aspects of non-medicinal use and dependence on cannabis for the Diploma of Advanced Studies in Endocannabinology, cannabis and cannabinoids, Universidad Nacional de Rosario, Bogota, Colombia

28 July: Dr Gary Chan gave a public webinar on Interrupted Time Series Analysis

30 July: Dr Gary Chan gave a UQ School of Pharmacy webinar on Adjusting for Time-Varying Confounders using IPTW for Causal Inference

Research & Higher Degree Students

NCYSUR's research program and opportunities are attractive to high-achieving students. Centre students are supported by the following scholarships: NHMRC; Australian Postgraduate Award; Australian Research Training program; UQ International PhD; UQ Earmarked; UQ Graduate School, and Lives Lived Well (Industry), and published 19 student led papers in 2021. NCYSUR students collectively were awarded grants as investigators, gave virtual live oral presentations at national and international conferences, were subjects of live media interviews, participated in the policy process via public submissions, gave invited talks to school students, published an editorial in MJA Insight, and gave seminars for peers on safe and effective use of social media. Supervisors kept in close contact with students via journal club, outings, and COVID-safe social activities throughout the year.

PhD student Ms Carmen Lim began her NHMRC postgraduate scholarship in the second year of her enrolment.

Ms Brienna Rutherford commenced her PhD studies funded by an Australian Government Research Training Program Scholarship.

Ms Giang Vu and Mr Habte Belete Gobie won UQ International PhD scholarships to commence their PhD studies overseas in anticipation of the lifting of travel restrictions and resumption of international student arrivals. (Habte's APSAD abstract was accepted just before his arrival!)

At year's end, NCYSUR supervisors and students went on retreat to Stradbroke Island, to celebrate their achievements, express mutual support in difficult times, and plan for the future.

Appendices

Research Grants and Contracts

Awarded in 2021

Chief Investigators	Amount Awarded	Years	Funding Source	Grant Type	Title
Connor, Hides	\$3.7M	2022-2023	Drug and Alcohol Program, Commonwealth Department of Health	Alcohol and Other Drug Research Centre of Excellence	Understanding, preventing and treating youth substance abuse-renewal 1/07/22 - 30/06/23
Leung	\$650,740.00	2022-2026	NHMRC	Investigator Fellowship-Emerging Leadership Level 1	Reducing the impact and burden of substance use on mental health
Hides, Kelly, Farrell, Connelly, Marsden, Chan, Connor, Baker, Quinn, Larence	\$2,500,000	2022-2027	NHMRC	Centre of Research Excellence	Centre of Research Excellence in Alcohol and Other Drug Sector Capacity Building for outcome focused, evidence based and cost-effective care (CRE in AOD -CB)
Leung, Lim, McClure-Thomas	\$44,000	2022-2023	Australian Government Department of Foreign Affairs and Trade	Australia-Indonesia Institute (AII)	Responding to Indonesia's tobacco public health crisis
Chan	\$74,983	2022	UQ Foundation	Research Excellence Award	Cannabis - a joyful treat or devil's fruit?

In association

Associate Investigators	Amount Awarded to project lead	Years	Funding Source	Grant Type	Title
Johnson, White, Mandryk, Drachen, Turkey, Lovell, Perrin, Ploderer, Kelly (Hides, Saunders, Leung (AI), Chan (AI))	\$1,048,250.70	2022-2026	NHMRC	Ideas Grant	Understanding and Treating Videogame Addiction in Young People

In association

Chief Investigators	Amount Awarded	Years	Funding Source	Grant Type	Title
Morley, Haber, Lubman, Berk, Chatterton, Baillie, Slade, Connor , Arunogiri, Clark	\$1.3M	2021-2025	NHMRC	Clinical Trials and Cohort Studies	A randomised controlled trial of N-acetylcysteine for the treatment of alcohol use disorder
McCarthy, Patterson, Bradford, Chan R, Smith, Chan , McDonald, Anderson, Tuffaha, Dobbins	\$1,250,178.35		NHMRC	Partnership	BALANCE: Promoting wellBeing in AdoLescent and young Adult caNCER survivors
Wallace, Copland, Gullo	\$389,000	2021-2023	Medical Research Future Fund (MRFF)	Cardiovascular Health Grant Opportunity 2020	Measuring, monitoring, and motivating adherence to self-managed aphasia treatment
Leung	\$10,000 seed funding; \$10,000 matching Faculty funds, in kind partner contributions	2021-2022	The University of Queensland	UQ Global Strategy and Partnerships Seed Funding Scheme	Addressing the public health crisis of smoking of adolescents across South-East Asia

Active (Continuing) in 2021

Chief Investigators	Amount Awarded	Years	Funding Source	Grant Type	Title
Connor, Hides	\$3,478,000	2019-2022	Drug and Alcohol Program, Commonwealth Department of Health	Alcohol and Other Drug Research Centre of Excellence	Understanding, preventing and treating youth substance abuse 2- renewal 1/07/19 - 30/06/22
Connor, on behalf of NCYSUR	\$2,000,180	2013-2022	UQef The University of Queensland Endowment Fund	Philanthropical Gift	Gift to the National Centre for Youth Substance Use Research (formerly, CYSAR) from Graeme Wood and Andrew Brice
Chan	\$639,750	2020-2024	NHMRC	Investigator Fellowship-Emerging Leadership Level 1	E-cigarettes and vaping: holy grail of tobacco control or gateway to a public health disaster?
Gullo	\$181,066	2019-2022	NHMRC Medical Research Future Fund (MRFF) Next Generation Clinical Researchers Program	Translating Research into Practice (TRIP) Fellowship	iAx: Instant assessment and personalised feedback in alcohol use disorder
Reid, Moritz, Gullo , Hayes	\$600,000	2020-2023	Commonwealth Department of Health	Federal Government Tender	Review and dissemination of the Australian Fetal Alcohol Spectrum Disorder (FASD) Diagnostic Tool
Patton, Moreno-Betancur, Butterworth, Hall , Borschmann, Moschion, Moran, Campbell	\$1,143,946	2019-2022	NHMRC	Project Grant	Common mental and substance use disorders in a 28-year follow-up of a community cohort: identification of preventive strategies from adolescence to early midlife
Borland, Gartner, Hall , Yong, Mundy, Courtney	\$1,603,159	2016-2021	NHMRC	Project Grant	Understanding the impacts of Vaporised Nicotine Products on smoking in Australia

Active (Continuing) in 2021 (Continued)

Chief Investigators	Amount Awarded	Years	Funding Source	Grant Type	Title
Hammond, Hall , Pacula, George, Rehm, Werb, Boudreau, Wadsworth, Leos-Toro, Porath-Waller, Elliot	\$1,694,308	2018-2023	CIHR -Canadian Institutes of Health Research - Federal funding agency	Project Grant	Cannabis legalization: impact on prevalence and risk behaviours among young people in Canada
Hall	\$40,000	2020-2021	World Health Organization	Consultancy- Report Editor Reviewer	Health impacts of cannabis
Gullo, Connor, Feeney , Clark , Coates	\$25,000	2020-2021	Metro South Health	Innovation (Seed) grant	iAx: Enhancing assessment and progress monitoring in stimulant use disorder
Elphinston, Connor , Sterling, Fatehi	\$75,000	2020-2021	Metro South Health	Research Support	Co-design, development, and feasibility of a digitally-enabled personalised brief intervention for chronic pain and co-occurring prescription opioid misuse

In association

Associate Investigator and Affiliates	Amount Awarded	Years	Funding Source	Funding Type	Title
Gartner, Bonevski, Blakely, Edwards, Lovett, Rimmer, Borland, Fong, Farrell, Walker, Chan (AI), Leung (affiliate), Stjepanović (affiliate), Lim (postgraduate student), Sun (postgraduate student), Vu (postgraduate student)	\$3M	2020-2025	NHMRC	Centre of Research Excellence	Centre of Research Excellence on Achieving the Tobacco Endgame

2021 Research Publications

Full Peer Reviewed Manuscripts

Published in print, online /ahead of print, accepted in 2021

- 1 Alghamdi A, Gartner C, Najman J, **Chan GCK**, Smirnov A. The relationship between cannabis and tobacco co-administration and long-term patterns of cannabis use in young adults who use stimulants: a prospective population-based study. *Substance Use and Misuse* 2021; November 19. <https://doi.org/10.1080/10826084.2021.1975744>.
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Books and Book Chapters

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Meeting Papers and Invited Presentations in 2021

International Meetings

- 1 **Connor JP, Coates JM, Gullo MJ,** Young R, Law B, Clark P, Voisey J, Feeney GFX. Abstract 121: Is alcohol craving reduced in patients prescribed naltrexone who also carry the OPRM1 ASN40ASP polymorphism (RS1799971)? Symposium: Innovations in Alcohol Pharmacogenomics. Organizers: Jason Connor and Paul Haber. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 40A. Available from: <https://doi.org/10.1111/acer.14617>.
- 2 **Gullo MJ,** Solly K, Loxton N, Voisey J, Young RM, **Connor JP.** Abstract 123: Polygenic risk moderates the causal association between reward-related impulsivity and adolescent alcohol use. Symposium: Innovations in Alcohol Pharmacogenomics. Organizers: Jason Connor and Paul Haber. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 41A. Available from: <https://doi.org/10.1111/acer.14617>.
- 3 **Hides LM, Quinn C, Walter Z,** De Andrade D, Dingle G, Haslam C. Abstract 271: GRIT: a strengths-based self-regulation group program for young people accessing residential treatment for substance use disorders. Symposium: Multimodal Innovations in Alcohol Prevention and Treatment Organizer: Leanne Hides. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 75A. Available from: <https://doi.org/10.1111/acer.14617>.
- 4 Kavanagh D, Connolly J, Graves N, **Connor JP, Hides LM, Gullo MJ,** Andrade J, May J. Abstract 272: Functional imagery training by phone for alcohol use disorder. Symposium: Multimodal Innovations in Alcohol Prevention and Treatment. Organizer: Leanne Hides. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 75A. Available from: <https://doi.org/10.1111/acer.14617>.

- 5 **Lim C, Leung J, Connor JP, Hall WD, Cheng B, Gartner C, Scheurer R, Chan GCK.** Abstract 198: Prevalence of illicit substances in personal vaporizers on online cryptomarkets- IEA World Congress of Epidemiology 2021 3-6 September Melbourne. *International Journal of Epidemiology*, 2021; 50: dyab168.389. Available from: <https://doi.org/10.1093/ije/dyab168.389>.
- 6 Symons M, Feeney GFX, Gallagher M, Young R, **Connor JP.** Poster 771: Predicting alcohol dependence treatment outcomes: a prospective comparative study of clinical psychologists vs ‘trained’ machine learning models. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 255A. Available from: <https://doi.org/10.1111/acer.14617>.
- 7 Teesson M, Newton N, Slade T, Chapman C, Birrell L, Mewton L, Mather M, **Hides LM, McBride N, Allsop S, Andrews G.** Abstract 270: Combined prevention for substance use, depression and anxiety in adolescence: a cluster randomised controlled trial of an online universal intervention. Symposium: Multimodal Innovations in Alcohol Prevention and Treatment. Organizer: Lianne Hides. 44th Annual Speaker & Poster Abstracts of the Research Society on Alcoholism jointly with the International Society for Biomedical Research on Alcoholism, June 2021. *Alcoholism, Clinical and Experimental Research*, 2021; 45: 75A. Available from: <https://doi.org/10.1111/acer.14617>.

Virtual meeting

- 1 Harper K, **Leung J, Chiu V.** Trends and associates of non-medical prescription opioid use in Australia. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health; 2021 11-25 January; Basel: MDPI; 2021, 2021. Available from: <https://www.researchgate.net/publication/352659244>.
- 2 Huo Y, **Lim CCW, Chiu V, Tachimori H, Leung J.** Psychological distress and the experience of self-restrained lifestyle through COVID-19 in Japan – public insights from #Coronavirus-depression on Twitter. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/paper/view/9018>.

- 3 **Leung J, Tisdale C, Chung JYC, Chiu V, Lim CCW, Chan GCK.** Panic buying behavior analysis of COVID-19 related toilet paper hoarding content on Twitter. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/paper/view/9001>.
- 4 **Leung J, Tisdale C, Chung JYC, Chiu V, Lim CCW, Chan GCK.** Concerns over the spread of misinformation and fake news on social media – challenges amid the coronavirus pandemic. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/manuscripts/9078/manuscript.pdf>.
- 5 Mekonen T, Ford S, **Chan GCK, Hides LM, Leung J.** What is the untreated remission or natural recovery rate of people with depression? A systematic review and meta-analysis. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/paper/view/9025>.
- 6 **Sun T, Lim CCW, Chan GCK, Leung J.** High times for cannabis-related videos on YouTube during the COVID-19 lockdown: implications on the risk of cannabis use disorders. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/paper/view/9041>.
- 7 Thompson K, Mekonen T, **Leung J.** Parent-child connectedness and its association with alcohol, tobacco, and cannabis use among Argentinian adolescents. Proceedings of the 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic session Mental Health, Basel: MDPI, 11-25 January 2021. Available from: <https://sciforum.net/paper/view/9026>.

Australian Meetings

NCYSUR celebrated 40 years of APSAD with 40 Symposium papers, oral presentations, on demand presentations, and posters at the virtual meeting based in Brisbane, available from: <https://onlinelibrary.wiley.com/doi/10.1111/dar.13384>

Symposium papers

Symposium: Epidemiology and potential public health benefits and harms of vaping – implications for tobacco control policies

- 1 **Chan GCK**, Gartner C, **Lim CCW**, **Sun T**, **Hall WD**, **Connor JP**, **Stjepanović D**, **Leung J**. Symposium Presentation 1 - The effect of tobacco policies implementation on youth vaping in 49 countries. *Drug and Alcohol Review*, 2021; 40: S14
- 2 **Sun T**, **Lim CCW**, **Rutherford BN**, **Johnson B**, **Leung J**, Gartner C, **Hall WD**, **Connor JP**, **Chan GCK**. Symposium Presentation 2 - Changing patterns and correlates of polytobacco use among nationally representative samples of US adolescents over six years: a latent class analysis. *Drug and Alcohol Review*, 2021; 40: s14
- 3 **Lim CCW**, **Sun T**, **Leung J**, **Chung JYC**, Gartner C, **Connor JP**, **Hall WD**, **Chiu V**, **Stjepanović D**, **Chan GCK**. Symposium Presentation 3 - Prevalence of adolescent cannabis vaping: a systematic review and meta-analysis of studies from the US and Canada. *Drug and Alcohol Review*, 2021; 40: s14-s5
- 4 Morphet K, Puljevic C, Boyd M, Bonevski B, Gilk C, Borland R, Courtney R, McRobbie H, Baker P, Winston A, Baker A, Matthews G, Chatfield M, Farrell M, Mattick R, Ferguson S, Blakely T, **Hall WD**, Gartner C. Symposium Presentation 4 - A pragmatic randomised partial crossover clinical trial of nicotine vaporisers added to standard care for smoking cessation and relapse prevention among priority populations with comorbidities. *Drug and Alcohol Review*, 2021; 40: s15
- 5 **Mefodeva V**, Staiger PK, **Carlyle M**, Curtain J, Mills KL, Albrecht B, **Kerswell N**, **Walter ZC**, **Hides LM**. Paper 18. Symposium: Integrating trauma-informed care into substance use treatment. *Drug and Alcohol Review* 2021; 40: S19-S. **Symposium Chair: Hides LM**

- 6 **Mefodeva V**, **Carlyle M**, **Walter Z**, **Hides L**. Symposium Presentation 1 - Client and staff perceptions of the integration of trauma informed care and specialist post-traumatic stress disorder treatment into residential treatment facilities for substance use: a qualitative study. *Drug and Alcohol Review*, 2021; 40: s19-s20
- 7 **Carlyle M**, **Kerswell N**, **Mefodeva V**, **Walter Z**, Curtain J, **Hides LM**. Symposium Presentation 3 - Development, implementation and evaluation of a new trauma-informed model of residential treatment for young people with substance use disorders. *Drug and Alcohol Review*, 2021; 40: s20

Symposium: Future Directions for SMART Recovery

- 8 Beck A, Larance B, Deane F, Baker A, Manning V, **Hides LM**, Shakeshaft A, Argent A, Kelly P. Symposium presentation 2- The use of Australian SMART Recovery groups by people who use methamphetamine: Analysis of routinely-collected nationwide data. *Drug and Alcohol Review*, 2021; 40: S23

Symposium: “Are we there yet?”: Routine outcomes measurement in Australian specialist alcohol and other drug treatment settings

- 9 **Hides LM**, **Quinn C**, Dignan J, Stokes H, **Newland G**, Mooney D, Giles M. Symposium Presentation 1 - Using technology to digitally disrupt the delivery of outcome measures in alcohol and other drug services. *Drug and Alcohol Review*, 2021; 40: s38-s9

Live oral presentations

- 10 **Hides LM, Davidson L**, Walter Z, Keane C, **Chan GCK**. Harnessing the power of social networks: feasibility trial of a two-stage social network intervention to reduce risky drinking among residential college students. Paper presented at the 40th APSAD Conference, 7-10 November, Virtual, Wednesday, November 10 2021. Available from: <https://apsadconference2021.com.au/program>.
- 11 Aiken A, **Chan GCK**, Yuen W, Clare P, Boland V, Degenhardt L, Hutchinson D, Najman J, McCambridge J, Slade T, McBride N, Upton E, De Torres C, Wadolowski M. Trajectories of parental and peer supply of alcohol across adolescence and associations with later alcohol drinking and harms: a prospective cohort study. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s43
- 12 **Chiu V, Chan GCK, Hall WD, Hides LM, Leung J**. Changing trends in attitudes toward cannabis and frequent cannabis use in Australia – the effects of age, period and birth cohort. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: S55
- 13 **Hides LM, Leung J, Newland G**, Baker A, Norberg M, Copeland J, **Quinn C, Walter Z, Stoyanov S, Kavanagh DJ**. Keep it Real: a web-based randomised controlled trial for reducing cannabis use and psychotic experiences in young people. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s80
- 14 **Quinn C, Leung J**, Carlyle M, Ellem R, Tisdale C, Davidson L, White M, **Kavanagh DJ, Hides L**. Cross-sectional and longitudinal analysis of substance use behaviours and emotional wellbeing in Australian senior high school students living through the COVID-19 pandemic. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s122
- 15 **Quinn C, Walter Z, De Andrade D**, Dingle G, Haslam C, **Hides L**. Controlled trial examining the strength-based GRIT wellbeing and self-regulation program for young people in residential settings for substance use. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s123

- 16 **Rutherford BN, Sun T, Johnson B, Co S**, Lim TL, **Lim CCW, Chiu V, Leung J, Stjepanović D, Connor JP, Chan GCK**. How cannabis use is portrayed to adolescents and young adults via TikTok: a thematic content analysis. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s130
- 17 Walter Z, **Quinn C**, Dingle G, Pocuca N, Baker A, Beck A, De Andrade D, Toombs M, **Hides L**. FullFix: a pilot trial of a telephone delivered transdiagnostic intervention for comorbid substance and mental health problems in young people. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s149

On demand presentations

- 18 **Chung JYC, Lim CCW, Leung J, Stjepanović D, Hall WD, Chan GCK**. Paper 133 On Demand - Cannabis vaping: a systematic review and meta-analysis of its sociodemographic, behavioural and psychological correlates. *Drug and Alcohol Review*, 2021; 40: S56
- 19 Yuen WS, **Leung J**, Man N, **Chiu V**, Gisev N, Livingston M, Degenhardt L, Farrell M, Pearson S, Dobbins T, Dunlop A, Mattick R, Peacock A. Characteristics of young people at index alcohol-related hospital admissions and emergency department presentations in Australia: a retrospective data linkage cohort. Oral presentation at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s154
- 20 **Gullo MJ**, Kidd C, Feeney GFX, **Connor JP**. Paper 307 On Demand - “No programmers and must be cheap” – improving assessment and progress monitoring in alcohol use disorder treatment. *Drug and Alcohol Review*, 2021; 40: S77
- 21 **Leung J, Lim CCW, Chiu V, Chung JYC, Mekonen T, Hall WD, Chan GCK**. Paper 188 On Demand - How many people use cannabis for medicinal reasons in Australia? *Drug and Alcohol Review*, 2021; 40: s96
- 22 **Stjepanović D, Chan GCK, Lim CCW, Sun T, Shanmuga Anandan A**. Paper 221 On Demand - A network meta-analysis of randomised controlled trial evaluating the effectiveness of e-cigarettes in smoking cessation. *Drug and Alcohol Review*, 2021; 40: s137-s8
- 23 **Tisdale C, Leung J**, De Andrade D, **Hides L**. Paper 176 On Demand - Patient characteristics and psychological factors as predictors of treatment completion in residential substance use treatment. *Drug and Alcohol Review*, 2021; 40: s144

Selected for Poster Highlight

- 24 **Carlyle M**, Constable T, **Walter Z**, Wilson J, **Newland G**, **Hides L**. Poster 198 - Cannabis-induced dysphoria/paranoia mediates the link between childhood trauma and psychotic-like experiences in young cannabis users. *Drug and Alcohol Review*, 2021; 40: s53
- 25 **Carlyle M**, **Leung J**, **Newland G**, **Walter Z**, **Quinn C**, **Morris L**, **Tisdale C**, **Ellem R**, **Hides L**. Poster 235 - The impact of the COVID-19 pandemic on alcohol and other drug staff, clients and services. *Drug and Alcohol Review*, 2021; 40: s54
- 26 Cho A, **Chan GCK**, Gartner C. Poster 115 - Reasons for using electronic cigarettes in 2016 and 2019 in Australia: a repeated cross-sectional study. *Drug and Alcohol Review*, 2021; 40: S56
- 27 **Mefodeva V**, **Carlyle M**, **Kerswell N**, Walter Z, **Hides L**. Poster 143 - Pilot feasibility trial of cognitive processing therapy for young people with comorbid post-traumatic stress and substance use disorders in residential substance use treatment. *Drug and Alcohol Review*, 2021; 40: s106
- 28 O'Donnell C, Popovich S, Lee N, **Hides L**. Poster 31 - Identifying perceived barriers and facilitators to accessing effective clinical supervision and the implementation of a clinical supervision exchange model in the alcohol and other drug sector. *Drug and Alcohol Review*, 2021; 40: s114

Posters

- 29 **Anderson LE**, Dingle G, Moran C, **Gullo MJ**. Testing a psychosocial model of sexual risk-taking among university-based adolescents. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s44
- 30 **Belete H**, Agmas Y, Biadgilegne F, Misgan E. The risk of khat (*Catha Edulis*) chewing for common mental disorders: cohort study. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s45-s6
- 31 **Dawson D**, **Stjepanović D**, **Hall WD**, **Hides LM**, **Leung J**. How much cannabis is used in a joint? An exploratory investigation into typical use, adjustments for potency and behavioural correlates. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s63
- 32 **Hall WD**, **Leung J**, Lynskey M. The effects of cannabis use on the development of adolescents and young adults. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s78
- 33 **Leung J**, **Chan GCK**, **Stjepanović D**, **Chung JYC**, **Hall WD**, Hammond D. Prevalence and reasons of medicinal cannabis use - findings from the International Cannabis Policy Study 2018. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s96

- 34 **Lim CCW, Leung J, Sun T, Chiu V, Stjepanović D, Chung JYC, Connor JP, Hall WD, Scheurer R, Gartner C, Chan GCK.** Patterns of cannabis and tobacco use in Australia: latent class analysis and health-rated correlates. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: S98
- 35 Mefodeva V, **Chan GCK**, Carlyle M, **Hides L.** Substance use and comorbid psychopathology characteristics in young treatment-seeking substance users: a latent class analysis. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s106-s7
- 36 Mekonen T, **Chan GCK, Connor JP, Hall WD, Hides L, Leung J.** Estimating the global treatment rates for alcohol use disorder and depression: a systematic review and meta-analysis. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s107
- 37 **Stjepanović D, Leung J, Hall WD.** Substance use and violence: a meta-review. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s138
- 38 **Stjepanović D, Leung J, Lim CCW, Sun T, Chung JYC, Phartiyal P, Gartner C, Hall WD, Chan GCK.** A meta-analysis of the efficacy of smokeless tobacco for smoking cessation. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s138
- 39 Theroux B, Carlyle M, Walter Z, **Hides L.** The reliability of self-report assessments of the Australian Treatment Outcome Profile and World Health Organization's alcohol, smoking, and substance involvement screening test compared with standard interviews in residential treatment for substance use disorders. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s143
- 40 **Wanigasooriya A, Connor JP,** Young R, Feeney GFX, **Gullo MJ.** Development and validation of the stimulant refusal self-efficacy questionnaire in stimulant users in treatment. Poster presented at the 40th APSAD Conference, 7-10 November (virtual meeting). *Drug and Alcohol Review*, 2021; 40: s150

Public submissions and consultations

- 1 **Stjepanović D, Chiu V, Chung J,** Davidson L., Johnson B, **Lim C, Rutherford B, Sun T, Leung J, Chan GCK.** Public submission to Parliamentary Joint Committee on Law Enforcement, Parliament of Australia.
- 2 Carlyle M, **Leung J,** Juckel J, Salom C, Hides L. Impact of the COVID-19 pandemic on alcohol and drug use. Consultation for the Queensland Mental Health Commission renewal of its alcohol and other drugs plan for Queensland. <https://espace.library.uq.edu.au/view/UQ:098f562>

Staff Listing

Centre Staff Name	Position	Description
Professor Jason Connor	NCYSUR Director	Level E, 0.7 FTE; Inaugural Director 2008-2013; 2017-current, seconded to HaBS from UQ Faculty of Medicine
Professor Leanne Hides	Affiliate Professor; Standing Acting NCYSUR Director	Lives Lived Well (LLW) Chair, School of Psychology, UQ
Professor Wayne Hall	Emeritus Professor	From 1 January
Professor Ross Young	Professorial Research Fellow	Level E, 0.2 FTE, 28 January- 27 July
Associate Professor Matthew Gullo	MRFF Translating Research into Practice Fellow	Level D, 1.0
Dr Gary Chan	NHMRC Investigator Emerging Leadership Fellow	Level C, 1.0
Dr Janni Leung	UQ Development Fellow	Level C, 1.0
Dr Daniel Stjepanović	Research Fellow	Level B, 1.0
Dr Jason Coates	Research Fellow	Level B, 0.4 FTE until 24 September
Dr Adeleke Adewumi	Research Fellow	Level B, 0.4 FTE from 8 July
Ms Sarah Yeates	Senior Research Assistant	HEW 7, 1.0 FTE

Staff Listing *(continued)*

Centre Staff Name	Position	Description
Professor Annemaree Carroll	Affiliate Professor	Associate Dean, Research, HASS Faculty, UQ
Professor John Saunders	Honorary Professor	Professor and Consultant Physician in Internal Medicine and Addiction Medicine, Sydney
Professor Sharyn Rundle-Thiele	Honorary Professor	Social Marketing @ Griffith University
Professor Ross Young	Honorary Professor	Deputy Vice Chancellor, Research and Innovation, University of the Sunshine Coast, from 1 August
Dr Timo Dietrich	Adjunct Research Fellow	Social Marketing @ Griffith University
Dr Natalie Loxton	Honorary Research Fellow	Senior Lecturer, School of Applied Psychology, Griffith University
Dr Jason Coates	Honorary Research Fellow	Clinical Psychologist, Alcohol and Drug Assessment Unit, Princess Alexandra Hospital, and Psychology Consultants, Morningside, from 1 September
Associate Professor Gerald F. X. Feeney	Adjunct Research Fellow	Alcohol and Drug Assessment Unit, Princess Alexandra Hospital
Mr Cameron Francis	Adjunct Research Fellow	Social Worker and Team Leader, Dovetail, Queensland Health
Mr John Kelly	Adjunct Research Fellow	Alcohol and Drug Service, Metro North Hospital and Health Service
Dr Andrew Wood	Honorary Research Fellow	Lecturer, Clinical Psychology, University of the Sunshine Coast

Our Students

Research Higher Degrees Commenced in 2021

Student Name	Supervisors	Topics	Degree	Start
Giang Vu	Chan, Connor	Emerging tobacco-related products and their relationship to tobacco smoking	PhD	2021
Brienna Rutherford	Chan, Leung, Stjepanović, Connor	Social Substances: The Online Landscape of Substance Use	PhD	2021
Habte Gobie	Leung, Chan, Hides	Prevention of risky behaviour and mental illness in adolescents	PhD	2021

Research Higher Degrees Ongoing

Student Name	Supervisors	Topics	Degree	Start
Jack Yiu Chak Chung	Chan, Leung, Stjepanović, Hall	Impacts of cannabis use and cannabis vaping - insight into Australian cannabis policies	PhD	2020
Brandon Hsu-Cheng Chen	Connor, Coates, Gullo, Chan	The influence of social media upon alcohol use: An investigation of effects and mechanisms	PhD	2020
Carmen Lim	Chan, Leung, Connor, Gartner	Personal vaporiser use - quantifying the benefits and harms on the population	PhD	2020
Tianze Sun	Chan, Leung, Connor, Gartner	Electronic cigarette and vaping - psychosocial profiles and impact on mental health.	PhD	2020
Tesfa Mekonen Yimer	Leung, Chan, Hides	Mental health services in low resource settings: treatment gap, service utilization, and barriers to mental health service use	PhD	2019
Calvert Tisdale	Leung, Hides, De Andrade	Mental and physical health trajectories of individuals who access substance use residential treatment: a data linkage project	PhD	2019
Angela Wanigasooriya	Gullo, Connor	Social cognitive predictors of treatment outcomes for amphetamine use and application of a bioSocial cognitive model	PhD	2018
Chui Ying Vivian Chiu	Leung, Chan, Hall, Hides	The impacts of legalisation of medical and recreational cannabis	PhD	2018
Laura Anderson	Gullo, Dingle	Preventing sexually transmitted infections in adolescents: A targeted approach	PhD	2017

Major Partners & Collaborators

Research in Australia

Commonwealth Department of Health and Ageing (ACT)

Griffith University (Qld)

National Centre for Education and Training on Addiction
(NCETA)

National Drug and Alcohol Research Centre (NDARC) (NSW)

National Drug Research Institute, Curtin University

Deakin University (Vic)

Turning Point Alcohol and Drug Centre (Vic)

Centre for Adolescent Health, Murdoch Children's Research
Institute (Vic)

Orygen Youth Health Research Centre (Vic)

NCYSUR has extensive collaborations and links with other national and international researchers in the alcohol and other drug fields.

Research International

European Monitoring Centre on Drugs and Drug Addiction
King's College London, National Addiction Centre, Institute of Psychiatry
London School of Hygiene & Tropical Medicine
RAND Corporation Drug Policy Research Centre, Santa Monica, California
United Nations Office on Drugs and Crime
University of California, Los Angeles
University of Otago
University of Plymouth
University of Strathclyde
University of Vienna
University of Washington- Alcohol and Drug Abuse Institute
World Bank
World Health Organization (Expert Committee on Drug Dependence)

Industry and Clinical

NCYSUR has a number of well-established industry and clinical partners across the drug and alcohol, mental health, emergency, housing and social support sectors. Representatives of many of these services are represented on the NCYSUR Advisory Board and have formal UQ affiliate joint appointments with the Centre. These include:

Alcohol and Drug Assessment Unit, Princess Alexandra Hospital

The Alcohol and Drug Assessment Unit (ADAU) is a multidisciplinary outpatient Liaison Clinical Service at a large Australian metropolitan university teaching hospital. The team of doctors, nurses, social workers and psychologists offers assessment and management of substance misuse and problems related to addiction treatment programs for alcohol, tobacco, cannabis, and stimulants. They follow best practice in alcohol and drug treatment, education, research and addictions medicine. This program accepts self-referrals and no formal referrals are required to access the service.

Brisbane Catholic Education

NCYSUR partners with BCE to deliver innovative social marketing programs in schools to combat alcohol-related problems. Key components of ARC Linkage Grant funded programs are now embedded in the curriculum of 183 schools in QLD.

Brisbane Youth Services (BYS)

BYS supports homeless and disadvantaged young people (aged 12-25 years) and their children, to secure and maintain housing. They provide emergency support and a range of services to assist young people to address physical and mental health issues, establish successful relationships and support networks, and access education and long term employment.

ChaplainWatch Inc.

ChaplainWatch is an independent Brisbane-based charity, focused on public safety in public spaces. It provides a unique, non-authoritarian service, which encompasses crisis intervention, conflict resolution, front-line first aid, counselling and guidance, secondary victim support, and welfare assistance. This rapid response service works in partnership with other official services. ChaplainWatch are a key partner in the Quikfix early intervention project.

CHQ Children & Youth Mental Health Services (CYMHS)

CYMHS at Children's Health Queensland specialises in helping infants, children and young people up to the age of 18 years who have complex mental health and drug and alcohol needs. CYMHS are a key partner on the Quikfix early intervention research program.

Dovetail

Dovetail is the auspicing body that provides clinical advice and professional support to workers, services and communities across Queensland who engage with young people affected by alcohol and other drug use.

Drug & Alcohol Brief Intervention Team (DABIT; Queensland Health)

Based at key QLD hospitals, the DABIT service model is based on successful services overseas, and targets people with alcohol and drug problems not currently in treatment. Young people attending emergency departments often have substance use problems. For example, road trauma, assaults and injuries are often associated with high risk drinking and other drug usage. By providing targeted brief interventions, DABIT can reduce the likelihood of patients progressing from substance use to substance dependence. Professor Hides will implement and evaluate the evidence-based Quikfix early intervention model in these services.

Lives Lived Well (LLW)

LLW is the body that auspices the non-government drug and alcohol treatment sector in Queensland. It has a strong focus on young people, Aboriginal and Torres Strait Islander people, and families.

Mater Health Adolescent Drug & Alcohol Withdrawal Service (ADAWS)

ADAWS supports young people through individualised and group support, brief interventions, relapse prevention planning and alternative drug-free activities. The service also aims to reduce drug-related harm by utilising harm reduction strategies that take into account personal goals and choices. ADAWS are a key implementation site of the Quikfix early intervention program and are involved in a number of other treatment studies.

Queensland Alcohol & Drug Information Service (ADIS; Queensland Health)

ADIS provides people with a range of interventions that influence and support the decision to reduce or cease harmful substance use. Referrals to alcohol and other drugs services can come from the individual experiencing the problem, family and friends, community services, Hospital and Health Services, GPs, Police, Courts and Corrective Services.

Queensland Injury Surveillance Unit (QISU; Queensland Health/ Mater Health)

Since 1988, Queensland Injury Surveillance Unit (QISU) continuously collects urban injury data from Brisbane's major hospitals, as well as periodically collecting rural data. It has strong collaborations with NCYSUR and Professor Hides in her work on preventable youth alcohol and drug injuries.

NCYSUR Advisory Board

Professor Greg Monteith, Associate Dean Research, UQ Faculty of Health and Behavioural Sciences

Professor Jason Connor, Director, National Centre for Youth Substance Use Research, UQ

Professor Doune Macdonald, Pro-Vice-Chancellor [Teaching & Learning], UQ

Professor Leanne Hides, Lives Lived Well Chair in Alcohol, Drugs, and Mental Health, UQ

Associate Professor Nicholas Carah, Deputy Head, School of Communication and Arts, UQ

Mr Mitchell Giles, CEO, Lives Lived Well)

Mr Cameron Francis, Team Leader, Dovetail, Queensland Health

Ms Rebecca Lang, Chief Executive Officer, Qld Network of Alcohol & Other Drug Agencies

Ms Liz Minchin, Executive Editor, The Conversation Australia and New Zealand



CREATE CHANGE

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