Alcohol Healthwatch Whakatūpato Waipiro

Evidence-based alcohol policies:

Building a fairer and healthier future for Aotearoa New Zealand

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Introduction

Reducing the harm from alcohol can **improve the life of every person in Aotearoa New Zealand** – and especially, the lives of the most vulnerable in our communities. We can build healthier norms for drinking and leave a legacy for future generations to reap the benefits.

When less alcohol is consumed in our country, the benefits are huge and wide-ranging – for drinkers and others harmed by drinkers. The benefits include (but not limited to):

- Reduced social, economic and health inequities experienced by Māori;
- Reduced inequities in alcohol harm experienced by Pacific people and low income populations;
- Reduced family and sexual violence;
- Improved child wellbeing;
- Improved mental health;
- Reduced suicide;
- Lower rates of alcohol-related cancers (e.g. bowel and breast cancer);
- Safer communities for all;
- Safer and less stressful workplaces, particularly for Police staff and frontline health and social services staff;
- Lower rates of alcohol-involved road deaths and injuries (to drivers, passengers and other road users);
- · Stronger economy, improved business productivity, lower unemployment; and
- Large cost savings, especially for ACC, and the justice, health, and welfare sectors.

Safer roads V Fewer cancers V Safer communities Better health V Cost-savings V Happier families Real connections V Happier children



There is no doubt that these are crucial times for our health and economy. Actions to address the factors driving **longstanding health inequities** in our country are imperative and must remain at the forefront of the current pandemic response. Pro-equity alcohol policies are available and are urgently required to:

- Address the disproportionate impact that alcohol has on Māori; and
- Uphold and honour our collective obligations to Te Tiriti o Waitangi.

The strength of our action on alcohol will play an important role in the long-term recovery of our economy, as well as our public health preparedness for future pandemics. Alcohol use increases the risk of more than 200 health conditions, many of which weaken the body's defences against infections, including COVID-19.^{1,2} The frequency of co-morbidity within persons with alcohol use disorders (including obesity with metabolic syndrome, chronic kidney disease, etc.) also heightens future risk.^{2,3} Actions must be taken to reduce the cost burden to society from alcohol harm, estimated to be >\$7 billion per year.

We commend successive Government budget commitments to increase funding for mental health and addiction services. However, a greater move towards the 'top of the cliff' is required, as effective prevention can avert long-term suffering to individuals, families and communities. Action is needed early in the life course given 70% of alcohol abuse and dependence cases in Aotearoa New Zealand are developed by the age of 25 years.⁴ Prevention is therefore ethically and fiscally responsible.

Given the disproportionate harm from alcohol experienced by Māori, Pacific people and low income populations, evidence-based alcohol policies are also pro-equity. **Alcohol Healthwatch recommends adoption of the following pro-equity policies:**

- Amend the Sale and Supply of Alcohol Act 2012 to require it to give effect to Te Tiriti o Waitangi;
- Increase the price of alcohol via substantive (beyond CPI) increases to alcohol excise tax;
- Implement Minimum Unit Pricing (and implement s397(1d) of our alcohol Act to collect industry sales data);
- Amend the Sale and Supply of Alcohol Act 2012 to give communities greater control in licensing decisionmaking;
- Immediately fund the replacement of alcohol sponsorship of sports;
- Legislate greater controls on alcohol advertising;
- Increase funding for alcohol screening and brief interventions in health services;
- Increase funding to recognise FASD as a standalone disability;
- · Increase funding so that best practice levels of roadside alcohol breath testing are attained; and
- Increase the legal purchase age for alcohol to 20 years.

Improving health, wellbeing and equity is an incredible legacy to leave behind. By taking an evidence-based alcohol harm reduction approach, we can take important and confident steps towards uncapping the potential of our amazing country. We were once leaders in tobacco control and saved many lives; we can, and must, do the same for alcohol control.

Current context of alcohol use

Any drinking in the past year

In 2019/20, **81.5% of adults** (aged 15 years and over) reported drinking alcohol in the past year.⁵ Among the total population:

- Men (85%) were significantly *more likely* to drink than women (79%);
- Māori were *as likely* to drink as non-Māori;
- Adults living in the most socio-economically deprived areas (73%) were significantly *less likely* to drink when compared to those living in the least deprived areas (88%);
- 57.5% of 15-17 year olds consumed alcohol in the past year; and
- Pacific persons were significantly *less likely* to drink compared to non-Pacific persons.

Hazardous drinking

One in five adults (20.9%) were classified as hazardous drinkers in 2019/20.⁵ This equates to **838,000** drinkers. Among the total population:

- Males (28.7%) were twice as likely as females (13.6%) to be hazardous drinkers;
- 44% of Māori men and 29% of Māori women reported hazardous drinking;
- 37% of males and 28% of females aged 18-24 reported hazardous drinking; and
- Hazardous drinking prevalence was high among those aged 25–34 (24%), 35–44 (22%) and 45–54 (27%).

Among drinkers:

- Adult drinkers in the most socio-economically deprived areas were 1.3 times *more likely* to consume 6+ drinks on an occasion at least weekly, when compared to adults in the least deprived areas (among women, 1.75 times); and
- Pacific drinkers were 1.4 times *more likely* to report hazardous drinking than non-Pacific drinkers.

Changes in drinking over time

Between 2006/07 and 2011/12, there were **significant reductions in hazardous drinking**. Most demographic groups (by age, sex, ethnicity) reduced their alcohol use during this time. The reasons and exact timing of the start of these declines is unknown. It is unclear if the decline commenced prior to the Global Financial Crisis.

Among 15-17 year olds, these lower levels of hazardous drinking have largely been maintained over time.⁶ In 2019/20, significant increases in hazardous drinking were found in this age group (from 6.3% in 2018/19 to 11.6%)⁵, but changes to the survey arising from COVID-19 may explain this. Further surveys are needed to determine if this is a one-off increase.

Inequities in drinking among rangatahi are stark and preventable – the New Zealand Health surveys from 2012/13 to 2015/16 found rangatahi Māori males and females were **two to three times** *more likely* to be classified as hazardous drinkers than non-Māori males and females.⁷ The Youth'19 Health Survey found **22% of secondary school students reported binge drinking in the past month**, with the prevalence higher among rangatahi Māori (29%), 16 year olds (29%) and those aged 17 years or over (42%).⁸

Young adults aged 18 to 24 years remain Aotearoa New Zealand's most hazardous drinkers. The prevalence of hazardous drinking **significantly reduced** between 2006/07 and 2011/12, but has remained mostly stable since.⁶

Among older adults, especially those aged 35–74 years, **hazardous drinking significantly increased** between 2011/12 and 2015/16. The largest increases were found among Māori women (Fig 1). Since this time, hazardous drinking prevalence has remained at these high levels, and are particularly high among men of all age groups. It is important to note that the survey methodology changed in 2015/16 – this means that comparisons are only permitted between 2006/07 and 2015/16 and between 2015/16 to 2019/20. In the 2015/16 national survey, both the previous and new methods were used.

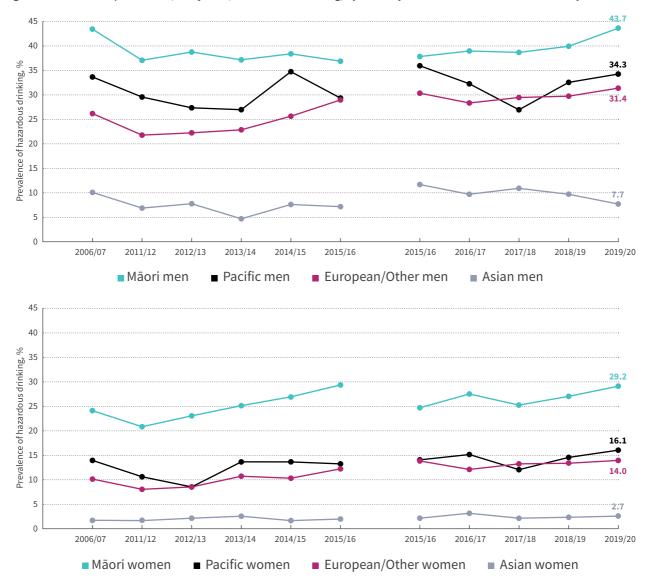


Figure 1. Trends in the prevalence (unadjusted) of hazardous drinking, by ethnicity and sex. New Zealand Health Survey.

Types of beverages consumed

In 2019, **491 million litres of alcohol** were available for consumption in Aotearoa New Zealand.⁹ This measure is used as a proxy for alcohol consumption in the population and is derived from alcohol excise payments for alcohol available for sale in the domestic market.

Of this total volume:

- 298 million litres were beer (61% of total);
- 108 million litres were wine (22%);
- 70 million litres were RTDs (14%); and
- 15 million litres were spirits (3%).

The 491 million litres of alcoholic beverages contained **35.3 million litres of pure alcohol** (as each beverage listed above has a different alcohol content). An almost equivalent amount of pure alcohol was consumed in beer, wine and spirits:

- 13 million litres of pure alcohol were from beer (37% of total)
- 11 million litres of pure alcohol were from wine (32%)
- 11 litres of pure alcohol were from spirits or RTDs (31%).

There has been an **increasing contribution of spirits and spirits-based drinks** to Aotearoa New Zealand's pure alcohol intake over time, from 23% in 2004 to 31% in 2019.⁹ In 2012/13, Māori were 2.1 times more likely, and Pacific people 1.5 times more likely, to drink RTDs on a typical occasion compared to non-Māori and non-Pacific drinkers. Individuals living in the most deprived neighbourhoods were two times more likely to consume RTDs than those living in the least deprived.¹⁰ Māori, Pacific and low income drinkers were significantly less likely to consume wine than the relevant reference group.¹⁰



Impact of COVID-19 on drinking

It is clear that the global pandemic has had an immediate impact on alcohol consumption in Aotearoa New Zealand, and that it represents a picture of both good and bad news. During Level 4 lockdown and post lockdown Level 1, the Health Promotion Agency surveyed¹¹ drinkers about their alcohol use. Among those who had consumed alcohol in the past four weeks, key findings showed that **when compared to pre-lockdown:**

	increased their consumption	no change in consumption	decreased their consumption
During Level 4 lockdown	19%	47%	34%
In Level 1	14%	64%	22%

Key findings by ethnicity and age (when compared to prelockdown) showed:

- 22% of Māori drinkers increased their consumption in Level 4 lockdown. This prevalence **did not** decrease once lockdown ended (22% had also increased consumption at Level 1);
- 20% of Pasifika drinkers increased their consumption in Level 4 lockdown, halving to 10% at Level 1;
- 51% of 18-24 year olds decreased their consumption in Level 4 lockdown, and 26% at Level 1; and
- 19% of 18-24 year olds increased their consumption in Level 4 lockdown, and 23% at Level 1.

Across all study participants, reasons given for drinking more included: 1) it helps me **relax/switch off**, 2) I have been feeling **stressed out/anxious**, and 3) I have been **bored**.¹¹

Reasons given for drinking less included: 1) haven't been able to, or haven't wanted to, socialise as much or go out/visit the pub etc., 2) money/cost, 3) haven't Early findings show that 22% of Māori drinkers increased their consumption during Level 4 lockdown and this did not decrease following the end of lockdown

wanted to go out and buy alcohol, 4) physical health reasons (e.g. weight, health condition, to be healthier), and 5) the lockdown period was a good time to reduce how much I drink and I want to continue drinking less.¹¹

It is imperative that we do everything we can to support Aotearoa New Zealanders who have maintained lower levels of drinking during, and after, Level 4 lockdown. This is the 'good news' of alcohol use during the global pandemic.

Some impacts of the pandemic on alcohol use will likely be immediate, whilst others will occur over a longer time period.¹² The longer term impacts are believed to include a **normalisation of home drinking**, reinforcing or introducing drinking as a way to **self-medicate symptoms** of stress, anxiety, boredom and an increased prevalence of newly diagnosed patients with alcohol use disorders (as well as **relapse** among persons with a disorder).^{2,13-16}

Many people will **use alcohol to cope** with the on-going impacts of the pandemic. Research shows that individuals who drink for coping reasons are at a heightened risk of developing problems with alcohol.¹⁷ Depression and anxiety have been found to be associated with drinking to cope.¹⁷ Factors such as unemployment, time spent unemployed, redundancy, increased workloads and reduced workplace morale due to loss of staff are also likely to result in a heightened vulnerability to developing new, or exacerbating existing, alcohol-related problems.¹⁸

Alcohol harm to drinkers and others

There is overwhelming evidence that alcohol-related harm in New Zealand is unacceptably high to both drinkers and others, and plays an undeniable role in the social, economic and **health inequities experienced by Māori.**

Pacific people and low income populations also experience disproportionately more harm from alcohol, as well as the following persons who are especially vulnerable:

- unborn babies;
- children and young people;
- people living with mental illness;
- homeless and vulnerably housed populations;
- people experiencing, or at risk of, family violence (especially women and children); and
- high risk drinkers and those experiencing alcohol dependence.

Of all drugs available in our society, alcohol is the most harmful.^{19,20} More Aotearoa New Zealanders report being harmed by the drinking of others, than from their own drinking.²¹ Wāhine Māori are shown to experience disproportionately more harms from the drinking of others than other demographic groups.²²

Alcohol harm is inequitable – individuals and communities bear more of the burden than others

Death and	• Alcohol consumption is a component cause for more than 200 disease and injury conditions. ²³
disability	 In 2007, it was estimated that there were over 800 deaths from alcohol in Aotearoa New Zealand. This resulted in 13,769 years of life lost.²⁴
	 Alcohol is the leading behavioural risk factor for death and Disability Adjusted Life Years lost among Aotearoa New Zealanders aged 15 to 49 years.²⁵
Harm to Māori	• In 2007, the age-standardised premature death rate for Māori from alcohol was 2.5 times the rate for non-Māori. The years of life lost due to alcohol were 2.6 times greater for Māori than non-Maori. ²⁴
	• Higher proportions of cancer among Māori are due to alcohol, with an average of 12.7 years of life lost from alcohol-attributable cancer for Māori compared to 10.1 years for non-Māori. ²⁶
	 Research estimates that 35% of the relationship between Māori ethnicity and hazardous drinking is explained by experience of discrimination.²⁷
	• More Māori drinkers report harms to their financial position as a result of their drinking, when compared with European/Others. Māori drinkers have also been found to be 2.0 times more likely to be absent from their work because of their drinking. ¹⁰



Exacerbates inequities	 Research shows that persons living in deprived communities experience <i>more harm per</i> <i>drink</i> when compared to those living in the least deprived communities with the same level of drinking.²⁸
Injuries	 Injuries are the leading cause of alcohol-related deaths among males in Aotearoa New Zealand.²⁴
Cancer	 Alcohol is a Group 1 carcinogen²⁹, causally associated with seven types of cancer (including bowel, female breast and liver cancer).³⁰
	 Cancers account for 30% of all alcohol-attributable premature deaths in Aotearoa New Zealand.²⁴
	• Breast cancer is the leading cause of alcohol-attributable death among females in Aotearoa New Zealand. ²⁴
	 More than one-third of these alcohol-attributable breast cancer deaths were attributed to an average consumption of <2 standard drinks per day.²⁶
Poor mental health and	 Mental health issues can fuel alcohol use, and alcohol use can fuel mental health issues.^{31,32}
suicide	• <i>Suicide:</i> Regular heavy drinking, as well as single occasion drinking (even at low levels), ^{33,34} has been shown to significantly increase the risk of suicide. ³³⁻³⁵
	 Heavy drinking is understood to facilitate suicidal behaviour in those already at risk, possibly by increasing impulsivity, impaired judgment and aggression.³¹
	• In 2017, almost one-third (31.1%) of all Aotearoa New Zealanders who had completed suicide had alcohol in their system, and a further 26.2% had a trace of alcohol in either their blood or urine. ³⁶
	• <i>Dementia:</i> Alcohol use disorders have been found to be a major risk factor for the onset of all types of dementia, especially early-onset dementia. ³⁷
	• <i>Mental health harms to others:</i> Aotearoa New Zealand research ³⁸ shows that persons with greater exposure to heavy drinkers in their life are less satisfied with their life , health, personal relationships, and have lower community connectedness. They also report experiencing more pain, discomfort, anxiety and depression.

Fetal Alcohol Spectrum Disorder (FASD)	• Alcohol is the one of the most dangerous drugs to be consumed during pregnancy. It can lead to miscarriage, still birth, and organ and brain damage. The negative impacts on the brain and body of individuals prenatally exposed to alcohol means individuals with FASD experience significant challenges in their daily life and may require support with learning, memory, attention, emotional regulation, social skills, motor skills and physical health.
	It is estimated that:
	 48% of children diagnosed with FASD will have significant and permanent impairment in 6 or more brain domains (three being the minimum requirement for a confirmed diagnosis);³⁹
	 an estimated 1,800 babies are born each year with FASD in Aotearoa New Zealand⁴⁰, although this is likely to be underestimate;
	 around half of the children and young people in Oranga Tamariki care are affected by FASD;⁴¹
	 10-20% of people in prisons and other correctional settings have an FASD;⁴²
	 around 80% of adults with an FASD will not be able to live independently without some level of support;⁴³ and
	 children and adolescents with an FASD have a 95% lifetime likelihood to experience mental health issues⁴⁴; individuals with FASD have a much higher risk of suicidal behaviour than the general population.^{45–47}
Road deaths	• In 2018, 125 (33%) of the 378 road deaths in Aotearoa New Zealand involved alcohol. ⁴⁸
	 In the years 2016-2018, for every 100 alcohol or drug-impaired drivers or riders who died on our roads, 30 of their passengers and 25 road users died with them.⁴⁹
Domestic, family and	 Aotearoa New Zealand research shows that alcohol use increases the likelihood and severity of domestic violence.⁵⁰
sexual violence	 Alcohol is involved in one-third of all violence (33%), one-third of all family violence (34%), and half of all sexual assaults (57%) and homicides (49.5%).^{21,51}
	• Wāhine Māori, in particular, are more likely to experience violence committed by someone under the influence of alcohol. ⁵²
	 Family violence in Aotearoa New Zealand is estimated to account for 41% of a frontline police officer's time.⁵³

 Children are at a high risk of death from maltreatment when they live with caregivers who abuse alcohol. In a national study, almost one in five persons (17%) who had a heavy drinker in their life reported that their children were negatively affected (e.g., being verbally abused, witnessed violence) by this person's drinking.⁵⁴ Children's exposure to violence has been shown to impact brain development. In a longitudinal study, children who had witnessed violence against their mother scored lower on cognitive measures, with the effects being strongest in those traumatised in the first two years of life.⁵⁵ The long-term physical and mental health impacts of exposure to family harm are well documented elsewhere.⁵⁶
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 Economic growth is negatively associated with the level of alcohol consumption in a country.⁵⁷
 Lost output (e.g. unemployment, premature death, lost productivity) is the largest financial cost associated with alcohol-related harm.⁵⁸
 In 2019, the population level cost of lost productivity due to alcohol was estimated to be \$1.65 billion.⁵⁹
• The more alcohol-related harms an adolescent experiences in Aotearoa New Zealand, the less likely they are to complete high school . ⁶⁰
• The estimated annual societal cost of alcohol is estimated to be \$7.85 billion – much higher than the level of Government revenue from alcohol excise tax (\$1.07 billion in 2019). ^{61,62}
 A 2014 survey of Australasian Emergency Department (ED) staff found that 98% of staff in Australia and Aotearoa New Zealand reported experiencing alcohol-related verbal aggression and 92% reported physical aggression in the workplace, with 68% experiencing verbal aggression frequently.⁶³
 Alcohol-related presentations were perceived to negatively or very negatively affect waiting times, other patients in the waiting room, and the care of other patients. Alcohol-affected patients were perceived to have a negative or very negative impact on staff workload, wellbeing and job satisfaction.⁶³
• Heavy drinking is associated with lower rates of quitting and making a quit attempt , ⁶⁴ compromising achievement of the Smokefree 2025 goal.

With less alcohol harm, we have the potential to improve everyone's lives

Give effect to Te Tiriti o Waitangi in alcohol legislation

There is compelling evidence of the unequal harm from alcohol/waipiro to Māori. The legacy of colonisation, and the inequalities and cultural alienation arising from it, are described as key drivers behind these unjust differences.^{22,65} The impact of alcohol harm **further drives** the long-standing social, health and economic inequities between Māori and non-Māori.²²

In Aotearoa New Zealand, the social, economic and physical environments are key determinants of inequities in drinking and harm for Māori. They must be urgently addressed to improve Māori health outcomes, equity and wellbeing.

Impact of discrimination. Studies show that experience of discrimination substantially increases the risk of hazardous drinking among rangatahi Māori⁶⁶ and among Māori adults.^{27,67} Research estimates that **35% of the relationship** between Māori ethnicity and hazardous drinking is explained by experience of discrimination.²⁷

Impact of deprivation. Non-Māori are more advantaged than Māori across all Census socioeconomic indicators.⁶⁸ Research shows that deprived communities experience **more harm per drink**, when compared to the least deprived communities with the same level of drinking. Research in Aotearoa New Zealand has also found there to be disproportionately more harm (i.e. dependence, alcohol-related disorder) per drink among drinkers unemployed or of low socio-economic status.⁶⁹ Studies show that increasing social welfare spending has the greatest impact on reducing alcohol-related mortality.⁷⁰

Unequal exposure to, and harms from, alcohol risk environments. Māori are more likely to be exposed to key environmental risk factors that increase alcohol use and harm. These relate to low alcohol prices, high alcohol outlet availability and ubiquitous alcohol marketing and sponsorship. Māori have:

- Higher exposure to alcohol outlets when living in deprived areas;71,72
- Disproportionately higher risk of hazardous drinking (among young Māori males) when living in closer proximity to alcohol outlets;⁷³
- Higher exposure to cheap alcohol (via price competition in areas with outlet proliferation) and higher likelihood of purchasing very cheap alcohol;⁷⁴ and
- Substantially higher exposure to alcohol advertising among tamariki, especially in their neighbourhood environments.^{75,76}

These social, economic and physical environments play a large role in inequities in drinking patterns. As shown in Figure 1 (page 5), 43.7% of Māori men reported hazardous drinking in 2019/20 compared to 31.4% of European/ Other men.⁵ Among women, the differences were much larger, with 29.2% of wāhine Māori reporting hazardous drinking compared to 14.0% of European/Other women. Adjusted ratios showed Māori men were 1.57 times more likely to drink hazardously than non-Māori men and wāhine Māori were 2.22 times more likely than non-Māori women to report hazardous drinking. These differences translate to a doubling in the years of life lost due to alcohol for Māori, when compared to non-Māori.²⁴

Figure 1 also shows the rapid and consistent increases in hazardous drinking among wāhine Māori between 2011/12 and 2015/16. Despite clear evidence of these substantial annual increases in drinking (and likely harm), no strong political action was specifically prioritised to reduce these inequities. The increase in harm went unchecked.

It is important to note that, until recently, Māori were significantly **less likely** than non-Māori to drink alcohol. The 1996/97 New Zealand Health Survey found that 27.4% of Māori adults reported no alcohol use in the past year⁷⁷, compared to 12.9% of European/Other adults. By 2006, this gap had substantially reduced to 15.7% of Māori compared to 12.1% of European/Other adults.⁷⁸

The COVID-19 pandemic has already given rise to **increased inequities**. During Level 4 lockdown, 22% of Māori drank more than usual, compared to 20% of Pasifika and 18% of Non-Māori/non-Pasifika drinkers.¹¹ Post lockdown in Level 1, 10% of Pasifika were drinking more than usual and 13% of Non-Māori/non-Pasifika drinkers. In contrast, 22% of Māori drinkers continued to drink more than usual.¹¹ The overall increase in consumption indicates that it may be heavy drinkers that have increased their consumption during the pandemic¹¹, as found elsewhere.⁷⁹ It must be noted that many Māori have reduced their consumption since the pandemic¹¹ and these positive changes need to be supported and maintained.

The Crown has a duty to uphold and honour its obligations to Te Tiriti o Waitangi by addressing the disproportionate exposure to risk and impact that alcohol has on Māori.

David Ratuu's (Ngaati Te Ata Waiohua, Waikato, Ngaati Maniapoto) claim [Wai2624] to the Waitangi Tribunal's Health Services and Outcomes Kaupapa Inquiry [Wai2575] clearly articulates the alcohol-related prejudice to Māori as a result of the Crown's legislative failings. Numerous examples of case law demonstrate the consistent failure of the Sale and Supply of Alcohol Act 2012 to incorporate the Treaty or its principles. This failure has significant implications across all aspects of alcohol control, especially in relation to guaranteeing Māori representation in alcohol licensing decisions that affect the wellbeing of current and future generations.

The Sale and Sale Supply of Alcohol Act 2012 must be amended to ensure proper recognition of the Treaty and the special status of Māori. This is supported in the report of the New Zealand Health and Disability System Review.⁸⁰ Structural and cultural shifts are also required, through addressing racism and discrimination in Aotearoa New Zealand and enabling a fully empowered commissioning authority to plan and fund kaupapa Māori services that prevent and reduce alcohol harm to Māori. A proportion of alcohol excise revenue should be earmarked to sufficiently provide for this.

Recommendation #1.

Amend the Sale and Supply of Alcohol Act 2012 to ensure proper recognition of the Treaty and the special status of Māori

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Reduce the harm from cheap alcohol

The real price of alcohol and its affordability (price relative to income) **are strong drivers** of alcohol use.^{81,82} Research in Aoteaora New Zealand has shown that when incomes increase and the real price of alcohol decreases, consumption levels go up.⁸³

The affordability of alcohol in Aotearoa New Zealand has substantially increased over time (Figure 2).⁸⁴ In 2017, alcohol was more affordable than ever before. This has been particularly driven by wine, which has increased in affordability by more than 20% since 2012.

Today, wine is the cheapest alcohol product (by standard drink) sold in Aotearoa New Zealand – cask wine is the cheapest, sold for as little as 65c per standard drink. Bottled wine is the second cheapest, sold for around 85c per standard drink. It is therefore unsurprising that in a study of dependent drinkers in Auckland, almost half exclusively drank wine.⁸⁵

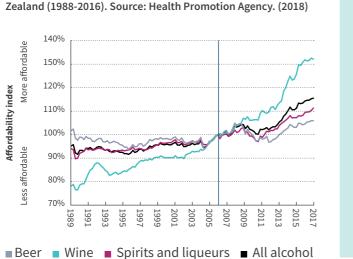


Figure 2 Changes in affordability of alcohol products in New



As shown above, the price of cask wine has not kept pace with inflation in Aotearoa New Zealand. In part, wine is the cheapest product because **it is taxed as if it is 10% alcohol** – in reality, it is likely to be in the range of 12.5% to 14.5% alcohol content. Australian estimates are that an average white wine contains 12.2% alcohol, whilst a red wine contains 13.4%.⁸⁶ While the alcohol content of wine has increased over time, Aotearoa New Zealand's excise tax structure has not kept pace. The under-taxing of wine amounts to a >20% tax reduction and an unlevel playing field when compared to beer.

1) Increase alcohol excise tax rates

Currently, around **15-25% of the price** of mainstream beers, wines and Ready to Drinks (RTDs) is excise tax. Due to the higher tax rate on high-strength spirits, around half of the price of a bottle of spirits is excise tax.

In comparison, tax comprises ~66% of the price of cigarettes. In 2019, alcohol excise tax raised \$1.07 billion in Government revenue.⁶²



To reduce alcohol harm, the Law Commission recommended that the alcohol excise tax rates increase by 50% – this would, on average, **increase alcohol prices by around 10%** and reduce overall consumption by 5%.²² A 50% tax increase would raise the price of a 12-pack of beer by <\$3, a bottle of wine by \$1.30, a bottle of spirits by \$12 and a 12-pack of RTD by \$4 (as at July 2020).

The Ministry of Justice examined the effects of an 82% excise tax increase⁸⁷ and estimated that:

- Harmful drinkers would reduce their annual consumption the most, by around 13.1%;
- Low-risk drinkers would pay an additional \$1.77 per week, increased risk drinkers \$5.87 per week, and harmful drinkers \$13.65 extra per week; and
- Net cost savings to society from reduced harm were estimated to be \$339 million in the first year, and \$2.45 billion over ten years. The majority of these savings were from reduced costs to ACC, the justice sector and health system.

Raising the price of alcohol is the **most cost-effective** measure to reduce alcohol consumption⁸⁸ (in terms of cost per health life-years gained). Increasing the price of alcohol has been shown to be associated with reductions in alcohol-related disease and injury outcomes, alcohol-impaired driving, motor vehicle crashes and injuries, death from cirrhosis, alcohol dependence, sexually transmitted infections, suicide, and violence (including rape, robbery, and violence towards children).^{89,90}

Whilst increases in alcohol excise tax are suggested to be mildly financially regressive, they are less regressive than cigarette and petrol excise taxes and GST. From a health and social justice perspective, **disadvantaged populations have the greatest potential to benefit from tax increases** given the disproportionate harms they experience from their own drinking and the drinking of others. Otago University research⁹¹ found that alcohol excise tax increases would be associated with a reduction in traffic injuries, with males and Māori disproportionately benefitting. Directing additional excise revenue to fund targeted programmes (e.g. by Māori,

for Māori) can further enhance the equity impacts of alcohol pricing policies.

UMR public opinion polling⁹² in February 2019 found that almost two-thirds (61%) of persons polled supported increasing the price of alcohol if the revenue was earmarked for the funding of mental health and addiction services.

63% of New Zealanders support raising the price of alcohol if the extra revenue was used to fund alcohol and mental health services



Recommendation #2.

Increase the price of alcohol via substantive increases to alcohol excise tax





2) Implement Minimum Unit Pricing:

Many countries and jurisdictions throughout the world have adopted legislation to set a floor price (minimum price) that alcohol can be sold. It makes common sense that our most harmful drug should not be sold at pocket money prices.

Minimum Unit Pricing (MUP) specifically targets the harm from the cheapest alcohol sold in Aotearoa New Zealand, mostly purchased from bottle stores, supermarkets, and the internet. In Aotearoa New Zealand, most large alcohol producers sell a range of products at the budget end of the market; beers, wines and spirits are commonly sold for under \$1.00 per standard drink, with the cheapest RTD sold for ~\$1.15 per standard drink (although cheaper when bought in multi-buy promotions). This budget end of the alcohol market in Aotearoa New Zealand has moved very little in price over the past few decades.

Cheap alcohol is more likely to be purchased by heavy drinkers and frequent drinkers, including young heavy drinkers. Pacific people have also been found to be more likely than other ethnic groups to purchase the cheapest alcohol; as are Māori drinkers, but to a lesser extent.⁷⁴

Research is demonstrating the **positive impacts of Minimum Unit Pricing**, especially on equity.^{93,94} In the first year of MUP in Scotland, purchases of alcohol reduced the most among low income, heavy drinking households.⁹⁴ Because the policy has the greatest impact on the purchases of very cheap alcohol (i.e. especially by low-income heavy drinkers), the positive impacts on health from MUP are considerably large, given the disproportionate harm that these drinkers experience. In particular, MUP is shown to be the **most pro-equity** alcohol pricing policy – having the potential to narrow socio-economic, alcohol-related health inequities the most.^{95,96} In a United Kingdom modelling study, it was estimated that 90% of the lives saved from MUP would be from lowersocio-economic groups.⁹⁵ Closer to home, Australian modelling found that MUP policies were estimated to result in greater reductions in consumption by heavy drinkers and low-income drinkers.⁹⁶



On average, the financial impacts on drinkers from MUP have been demonstrated to be negligible, as households (including low income households) have shown **no significant increase in spending** following MUP in Scotland.⁹⁴ In Aotearoa New Zealand, the Ministry of Justice estimated that the additional weekly spend resulting from a minimum price of \$1.20 per standard drink would be \$0.40 for a low-risk drinker, \$1.04 for an increased risk drinker and \$2.35 for a harmful drinker.⁸⁷ All else remaining the same, heavier drinkers would be able to buy less alcohol for the money they currently spend. In addition, alcohol producers may also respond by reducing the size of their products (e.g. from an 18-pack to a-15 pack) to maintain the same price point. This has been shown to occur in Scotland.⁹⁷ MUP would have **little to no effect on bar and pub prices**, as drinks are commonly sold above the minimum price.

Finally, we recommend that s397(1d) of the Sale and Supply of Alcohol Act 2012 is implemented. This section states:

for the purpose only of any investigations to be undertaken in relation to the possibility of introducing minimum pricing schemes for alcohol, requiring persons who sell alcohol to give the chief executive information relating to the quantities of alcohol they have sold over any period and the prices at which they have sold it:

In 2010, the Government at the time recommended that alternative approaches be explored before using s397(d) to regulate the obtaining of this information. One year was provided to review the information before determining whether regulation was required.⁹⁸ During a global public health pandemic, this information is more important than ever before.

Recommendation #3.

Reduce the harm from cheap alcohol by implementing Minimum Unit Pricing

Reduce the harm from high alcohol availability

1) Increase community control in local alcohol licensing processes

In 2020, there were more than 11,000 businesses that sold alcohol in Aotearoa New Zealand:

- 1641 sports club and other club licences; 6628 on-licences (bars, restaurants, cafés, etc); and
- 2904 off-licences (including 942 bottle stores, 341 grocery stores, 327 supermarkets, 233 tavern off-licences, 92 brewers, 58 chartered clubs, 16 distilleries, 150 hotels, 266 mail order only, 234 wine makers, 242 other).

There are **more places to buy alcohol in our most socio-economically deprived communities**.^{71,72} In response to strong community concern regarding their inability to influence important local decisions about where alcohol is sold, a priority objective of Aotearoa New Zealand's liquor law reforms in 2012 was to "**improve community input into local alcohol licensing decisions**".⁹⁹

Eight years later, this objective has been far from realised. **Alcohol licences have not become "harder to get and easier to lose**". Communities continue to take time out of their busy lives to object to liquor licence applications in their neighbourhood, rarely achieving success.

The 2019 Alcohol Regulatory and Licensing Authority annual report noted the following¹⁰⁰:

"MINIMAL NUMBER OF LICENCE REFUSALS: The Authority notes that the number of applications refused for new licences is very low compared to the number of applications being granted. The same can be said for applications for licence renewals and new manager's certificates. The reasons why there are so few refusals may be worthy of some investigation by policy officials to see if this is consistent with what was envisaged at the date of commencement of the Act"

Amendments are required to our liquor laws to ensure licences are harder to get and easier to lose.

Also, the COVID-19 pandemic has immediately impacted the alcohol retail landscape. Overnight, there was an **expansion of bottle stores commencing online sales during Level 4 lockdown**. However, as there is no accurate list of who is selling online, compliance checking and enforcement is challenging. In Australia, it has been argued that the licensing system has not kept pace with the changes in the market, with online sales operating under **much lower levels of scrutiny** than physical stores.¹⁰¹ This statement equally applies to the Aotearoa New Zealand context. Given the explosion of online alcohol sales, a thorough review is required. Especially with regards to the rapid delivery (in under 2 hours) of alcohol and the lack of identification requirements when alcohol is being delivered to private homes.

Also, Aotearoa New Zealand's legislated default national trading hours (in the absence of a Local Alcohol Policy) also increase the risk of harm to communities. On-licence hours (8am to 4am) and off-licence hours (7am to 11pm) render alcohol being available for many hours of the day. **Reducing the national trading hours** can reduce harm and **save lives**.^{102,103}

Recommendation #4.

Amend the Sale and Supply of Alcohol Act 2012 to give communities greater control of licensing decision-making and reduce the default national trading hours

2) Overhaul the highly legalistic Local Alcohol Policy process

In 2012, the Sale and Supply of Alcohol Act devolved policy-making on alcohol availability to local government. Each local Council is enabled to develop a Local Alcohol Policy (LAP), permitting them to control the number and location of premises in a district, the clustering of premises and trading hours. These legislative provisions **offered Councils much hope to implement best practice measures** to reduce alcohol harm.

Sadly, these hopes have been far from realised. LAPs have become **legal nightmares for Councils**, with communities standing no chance of upholding their wishes against well-resourced legal teams of alcohol retailers. The **vast majority of LAPs have ended up in legal appeals**, particularly led by the supermarket duopoly. The Medical Officer of Health and Police have appealed on fewer occasions, against policies they believe will not minimise alcohol-related harm.

The legal fight has been lengthy and costly. In Auckland, a four-week public hearing before the Alcohol Regulatory and Licensing Authority in February 2017 has since proceeded to judicial review before the High Court. It is scheduled to be heard at the Court of Appeal in 2021. It is therefore unsurprising that in 2018 and 2019, two Local Government NZ remits were passed **calling for urgent change**.

In 2021 (seven years after Councils were given the power to adopt LAPs), **41 of 67 (61%) Councils have an adopted policy**. However, the majority of policies have been watered down as they proceeded through the legal appeals process. Sixteen Councils have chosen not to proceed to developing a LAP. Our four largest population centres – Wellington, Hamilton City, Christchurch and Auckland – **have no LAP in place**. Christchurch City Council aborted their policy after spending more than \$1 million fighting it, Hamilton City have aborted too, as has Far North District Council.

As LAPs focus on new licences, they are limited in their ability to address existing outlet proliferation. This leaves a substantial onus on communities to object to renewal applications to reduce outlet density, with objections to renewals often unlikely to succeed.

Recommendation #5.

Amend the Local Alcohol Policy (LAP) process; consider repealing the appeals provision or remove LAPs altogether and include location and density provisions in the Sale and Supply of Alcohol Act 2012

Reduce the harms from alcohol advertising

1) Legislate effective controls on alcohol advertising

Aotearoa New Zealand has a vision of being the best place in the world for children and young people.¹⁰⁴ A place where children live in healthy, sustainable environments.¹⁰⁴ In reality, our environments expose children and young people to alcohol advertising multiple times per day. Alcohol advertising exposure is highly inequitable, with **tamariki Māori having disproportionately higher levels of exposure** (5.4 times greater) than European children.⁷⁵

Reviews of longitudinal studies show exposure to alcohol advertising is causally associated with **earlier drinking initiation** among adolescents and **heavier drinking** among adolescents who drink.¹⁰⁵⁻¹⁰⁸ The World Health Organisation considers restricting alcohol advertising and sponsorship as one of the most cost-effective measures to reduce alcohol harm.¹⁰⁹

The ubiquity of alcohol advertising in our environment also serves to **normalise drinking** and maintain our country's heavy drinking culture. It places **vulnerable persons** (e.g. those with a history of dependence) at a heightened risk given their susceptibility to alcohol marketing.¹¹⁰ The pervasiveness of alcohol advertising compromises the ability of many drinkers to cut down their drinking, seek help, or remain sober.

Whilst tobacco advertising and sponsorship has been prohibited in Aotearoa New Zealand for decades, controls on alcohol advertising remain weak despite **strong public support** for increasing restrictions.¹¹¹ The main mechanism is a voluntary code of practice, known as the Advertising Standards Authority (ASA) Code for Advertising and Promotion of Alcohol. The ASA is a self-regulatory body comprising advertisers, agencies and the media. The process relies on the public's knowledge of the Code as well as time to submit a complaint. By the time a decision is made, the advertising campaign has usually ended. Evidence has shown that self-regulatory approaches are ineffective at reducing harmful exposure of alcohol advertising.¹¹²

Of particular concern is the **increased use of digital media** as a key channel to uniquely target individuals with alcohol marketing.¹¹³⁻¹¹⁵ The granular access to personal information means it is possible for **vulnerable consumers to be targeted**. The delivery of these advertisements by social media algorithms means it is impossible to identify advertisements (they are less visible to the public and ephemeral) in order to assess Code compliance.

There is a long history of Government-commissioned reports and inquiries into alcohol advertising and sponsorship. The New Zealand Law Commission made strong recommendations in 2010²², followed by the Ministerial Forum on Alcohol Advertising and Sponsorship in 2014¹¹⁶ and the Mental Health and Addiction Inquiry Panel.¹¹⁷ The recommendations for stronger restrictions have yet to be adopted.

Recommendation #6.

Replace ineffective self-regulation of alcohol advertising with legislative controls

2) Replace alcohol sports sponsorship

Sport is a primary vehicle for the promotion of alcohol in Aotearoa New Zealand. International alcohol companies utilise sponsorship of sporting, cultural and social events as a key advertising strategy.¹¹⁸ Sponsorship in these settings may include naming rights; mentions in sports commentaries; signage; labelling on clothing apparel; exclusive rights to sell alcohol, and other innovative activations linking brands, rights holders and their audiences.

In a study that utilised digital cameras on children in the Wellington region, alcohol-sponsored sports merchandise was one of the most **dominant forms of children's exposure to alcohol marketing**.⁷⁵ Research shows that exposure to alcohol sports sponsorship is associated with **higher levels of drinking**.¹¹⁹

In 2014, Sport New Zealand conducted a survey among its members to determine the value of alcohol sports sponsorship. It was estimated that **\$21 million per year** was received from alcohol companies in the form of sponsorship, of which 65% was direct cash payments and 35% was non-cash payments.¹²⁰ Only 7% of national-level sponsorship funding of sports was received from alcohol companies. As such, global alcohol companies can spend relatively little on sponsorship in Aotearoa New Zealand and yet achieve significant marketing reach. Sponsorship is increasingly moving into the digital domain.

There remains a high level of public support for ending alcohol-related sponsorship of events.¹¹¹



Two-thirds (68%) of New Zealanders support banning alcohol-related sponsorship at events that people under 18 may attend

Ideally, funding from alcohol sports sponsorship would be replaced as occurred with tobacco sponsorship buyout in the 1990s. **Replacing alcohol sports sponsorship** could be achieved through increasing the **existing Health Promotion Agency levy** that is placed on all alcohol products sold in Aotearoa New Zealand (for the purposes of undertaking activities to reduce alcohol harm). Funding the replacement of alcohol sports sponsorship would add as little as 6 cents to a bottle of wine, 2 cents to a can of beer, 2 cents to an RTD, and 7 cents to a bottle of spirits. Such little cost for a large public health benefit.

In Western Australia, alcohol sponsorship of community-level Australian Rules has been replaced as a strategy to improve men's health.¹²¹

Recommendation #7.

Urgently replace alcohol sports sponsorship utilising the existing Health Promotion Agency levy on alcohol sold

Support health and disability services to reduce alcohol harm

1) Provide screening and brief intervention for hazardous drinking

Like blood pressure monitoring and cholesterol screening, screening for hazardous drinking is an equally important preventative service that should be a routine part of all visits to primary, secondary and community-based health services.

Screening, brief intervention and referral to treatment is **cost effective**.¹⁰⁹ It is estimated that approximately 1 in 5 to 1 in 8 individuals who receive a brief intervention for alcohol use is likely to benefit in terms of reduced alcohol consumption.¹²² In Aotearoa New Zealand, an investment of \$1 in a brief intervention in general practice is estimated to produce a return of \$1.74 over three years, and \$2.48 in Emergency Departments.¹²³

District Health Boards (DHB) need to be supported to roll out alcohol screening and brief interventions throughout their services. These measures are a particularly important complement alongside measures that increase the price of alcohol. Routine screening may also serve to positively change our national conversation around alcohol – to more openly question and consider our consumption and its impact. As such, it plays an important role in enabling social permission to **drink less**.

Recommendation #8.

Integrate screening for hazardous drinking into routine health services practice

2) Prevent FASD and reduce harms arising from FASD

Population-based interventions to reduce alcohol use (including increasing price, reducing availability and restricting marketing) are essential to the prevention of FASD. **Diagnosis and early intervention** are also critical to positively impact the developmental trajectory of individuals affected by FASD. However, many individuals with FASD are unable to access appropriate diagnosis and intervention supports. This denies the individual and their whānau the knowledge on which to build strength-based early intervention, exacerbating existing inequities and challenges.

Currently, a standalone diagnosis of FASD (without co-occurring intellectual disability) does not result in provision of specific health, disability or education services despite children experiencing severe neurological impairments. Funding is urgently required to support early identification of FASD across DHB child health and mental health services. FASD must be **recognised as a standalone disability** so that individuals and whānau can be supported.

Recommendation #9.

Increase FASD diagnostic capacity, recognise FASD as a standalone disability and increase support for individuals and families affected by FASD

Reduce alcohol harm on our roads

In 2018, **125 (33%) of the 378 road deaths** in Aotearoa New Zealand involved alcohol.⁴⁸ In the years 2016-2018, for every 100 alcohol or drug-impaired drivers or riders who died in road crashes, 30 of their passengers and 25 road users died with them.⁴⁹ Our drinking culture places everyone at risk of the harms from drink driving.

Overall, Aotearoa New Zealand has made no recent progress towards decreasing the rate of alcohol-related deaths and serious injuries on our roads. In some areas of the country, the rate of alcohol-involved crashes has been increasing.¹²⁴

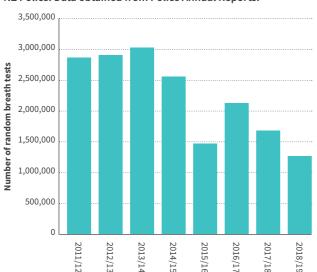


Figure 3. Number of random breath tests carried out by NZ Police. Data obtained from Police Annual Reports.

A Vision Zero approach to road deaths cannot be achieved without strong action on alcohol. Adequate enforcement of drink driving legislation, through roadside breath testing, is essential.

Of huge concern, the **number of random breath tests in Aoteaora New Zealand has reduced** from around 3 million tests in 2013/14 (about 1 test per driver per year – which is best practice) to below 2 million tests in 2018/19.¹²⁵ If best practice levels of enforcement were adhered to, there would be over 3 million tests carried out every year (in 2015 there were 3,384,395 Aotearoa New Zealanders who had a driver licence). We are cognisant that technological differences in reporting explain much of the lower number of tests carried out in the 2015/16 period.

We understand that changes in the way in which road policing is structured in a number of Police districts has resulted in the disestablishment of dedicated impairment testing teams. This may have also contributed to a reduction in test volumes. We also recognise that there has been a more targeted, intelligence-based approach to testing.

Alcohol Healthwatch supports an intelligence-based approach to testing but wishes to see an associated reduction in the rate of alcohol-related deaths. We believe that **increasing the overall volume of tests** is required, particularly to increase the public's perception of being caught.

Recommendation #10.

Increase funding for random breath tests to enhance enforcement of drink driving laws

Increase the legal purchase age for alcohol

The longer a young person delays drinking, the more they are protected from alcohol harm. A large populationbased study⁴ found that the majority of cases of alcohol abuse and dependence in Aotearoa New Zealand were developed in adolescence and young adulthood. Almost 50% were found to develop by the age of 20 years and 75% by the age of 25. Each year a young person delays drinking, they are estimated to reduce their risk of becoming dependent on alcohol by 9–21%.¹²⁶

Other harms from drinking include:

- Being less likely to finish high school;⁶⁰
- Increased health risks, including sexually transmitted infections, major depression, suicide, and victimisation;¹²⁷
- Irreversible impairment of brain functioning;¹²⁸ and
- Death or injury.¹²⁷

In one study, secondary school students of Māori and Pacific ethnicity and/or living in socio-economic disadvantage were more likely to report experiencing alcohol-related harms.¹²⁹

As noted earlier, there have been **positive declines in past-year drinking, hazardous drinking and binge drinking** among adolescents. The New Zealand Health Survey 2019/20⁵ found that 54% of 15-17-year-old males and 62% of 15-17-year-old females reported consuming alcohol in the past year. In 2019, **22% of all secondary school students reported binge drinking** (5+ drinks in four hours) in the past month. This prevalence was higher among 16 year olds (29%) and students aged 17 years and over (42%).⁸

Whilst these declines are very positive, we still have a long way to go to protect young people from harm. New Zealand's low-risk drinking advice recommends young people **delay alcohol use for as long as possible**.¹³⁰

These guidelines are underpinned by evidence that young people experience **many more harms from their drinking** when compared to other age groups.¹³¹ In part, this is due to the high amounts of alcohol that they drink in an occasion as well as their immature bodies being unable to cope with the damaging effects of alcohol. **Children under 15 years of age are at a very high risk of harm from drinking**.¹³¹

Empirical studies have shown that the 1999 law change in Aotearoa New Zealand that lowered the purchase age from 20 to 18 years was associated with an increase in a number of alcohol-related harms for young people, including alcohol-related hospitalisations¹³², prosecutions for driving with excess alcohol and disorder¹³³, and traffic crashes¹³⁴⁻¹³⁵.

Increasing the legal purchase age is a recommended strategy in the World Health Organization's SAFER Framework to prevent and reduce alcohol-related harms.¹³⁶ Given the inequities in consumption⁷ and harm experienced by rangatahi Māori¹²⁹, increasing the legal purchase age should be considered as **pro-equity**.

Recommendation #11.

Increase the legal purchase age for alcohol to 20 years

Conclusion and recommendations

We recognise the **endless possibilities** for our county with **less alcohol harm**. Everything we care about will start to improve - better mental wellbeing, reduced suicide, safer roads and communities, less family harm, improved child wellbeing and better physical health (e.g. fewer injuries and cancers).

As stated earlier, these are critical times for our health and economy. Whilst some Aotearoa New Zealanders will reduce their use of alcohol during a pandemic (due to a range of reasons), a proportion of the population are likely to drink more heavily. It is clear that the impacts of the pandemic will be felt for years to come and that our young generations will be paying the financial cost.

Inequities in alcohol harm have been long-standing and must be addressed. It is **unjust that Māori lose more years of life** as a result of alcohol. The Crown's obligations to honour te Tiriti o Waitangi require that Māori health is protected. The impact of the global pandemic heightens the risk for inequities to widen.

The **evidence-base is extensive, strong and consistent**. In the past decade, recommendations for stronger legislative action have been repeatedly made – by the Law Commission²², Ministerial Forum on Alcohol Advertising and Sponsorship¹¹⁶ and the Mental Health and Addiction Inquiry Panel¹¹⁷.

Vulnerable drinkers (and others) experience greater harm from the sale of cheap alcohol, high levels of alcohol availability and ubiquitous exposure of alcohol advertising and sponsorship. Adoption of the following proequity policies will make a tangible difference to drinkers and others (particularly vulnerable persons and communities), in this generation and the next:

- Amend the Sale and Supply of Alcohol Act 2012 to require it to give effect to Te Tiriti o Waitangi;
- Increase the price of alcohol via substantive (beyond CPI) increases to alcohol excise tax;
- Implement Minimum Unit Pricing (and implement s397(1d) of our alcohol Act to collect industry sales data);
- Amend the Sale and Supply of Alcohol Act 2012 to give communities greater control of licensing decisionmaking;
- Immediately fund the replacement of alcohol sponsorship of sports;
- Legislate controls on alcohol advertising;
- Increase funding for alcohol screening and brief interventions in health services;
- Increase funding to recognise FASD as a standalone disability;
- Increase funding so that best practice levels of roadside alcohol breath testing are attained; and
- Increase the legal purchase age for alcohol to 20 years.



There is a solid evidence base to take action



References

- 1 Szabo G, Saha B. Alcohol's effect on host defense. *Alcohol Res Curr Rev* 2015; 37: 159.
- 2 Da BL, Im GY, Schiano TD. Coronavirus Disease 2019 hangover: a rising tide of alcohol use disorder and alcohol-associated liver disease. *Hepatology* 2020.
- 3 Centers for Disease Control and Prevention. People with Certain Medical Conditions. https://www.cdc. gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html?CDC_ AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fneed-extraprecautions%2Fgroups-at-higher-risk.html (accessed Nov 9, 2020).
- 4 Rapsey CM, Wells JE, Bharat MC, Glantz M, Kessler RC, Scott KM. Transitions Through Stages of Alcohol Use, Use Disorder and Remission: Findings from Te Rau Hinengaro, The New Zealand Mental Health Survey. *Alcohol Alcohol* 2018; published online Sept 27. DOI:10.1093/alcalc/agy069.
- 5 Ministry of Health. Annual Update of Key Results 2019/20: New Zealand Health Survey. 2020 https:// www.health.govt.nz/publication/annual-update-key-results-2019-20-new-zealand-health-survey (accessed Nov 19, 2020).
- 6 Ministry of Health. Annual Update of Key Results 2018/19: New Zealand Health Survey. 2019; published online Nov 14. https://minhealthnz.shinyapps.io/nz-health-survey-2018-19-annual-data-explorer/ _w_d47ab2ea/#!/home (accessed Nov 20, 2019).
- 7 Health Promotion Agency. Hazardous drinking in New Zealand: Māori and non-Māori. Wellington, N.Z, 2019 https://www.hpa.org.nz/sites/default/files/Hazardous-drinking-Maori-non-Maori-factsheet.pdf (accessed Jan 20, 2020).
- 8 Fleming, T., Ball, J., Peiris-John, R., *et al.* Youth19 Rangatahi Smart Survey, Initial Findings: Substance Use. Youth19 Research Group. New Zealand: The University of Auckland and Victoria University of Wellington, 2020.
- 9 Statistics New Zealand. Alcohol available for consumption: Year ended December 2019. Wellington, New Zealand: Author, 2020 https://www.stats.govt.nz/information-releases/alcohol-available-forconsumption-year-ended-december-2019 (accessed Feb 26, 2020).
- 10 Ministry of Health. Alcohol use 2012/13: New Zealand Health Survey 2013. Wellington: Author, 2015 https://www.health.govt.nz/publication/alcohol-use-2012-13-new-zealand-health-survey (accessed June 10, 2019).
- 11 Health Promotion Agency. Impact of COVID-19: Topline results Wave 2. Wellington, N.Z: Author, 2020 https://www.hpa.org.nz/research-library/research-publications/post-lockdown-survey-the-impacton-health-risk-behaviours (accessed Oct 8, 2020).
- 12 Rehm J, Kilian C, Ferreira-Borges C, *et al.* Alcohol use in times of the COVID 19: Implications for monitoring and policy. *Drug Alcohol Rev* 2020; : dar.13074.
- 13 Cerdá M, Tracy M, Galea S. A prospective population based study of changes in alcohol use and binge drinking after a mass traumatic event. *Drug Alcohol Depend* 2011; 115: 1–8.
- Keyes KM, Hatzenbuehler ML, Hasin DS. Stressful life experiences, alcohol consumption, and alcohol use disorders: the epidemiologic evidence for four main types of stressors. *Psychopharmacology (Berl)* 2011; 218: 1–17.

- 15 Moise IK, Ruiz MO. Hospitalizations for substance abuse disorders before and after Hurricane Katrina: spatial clustering and area-level predictors, New Orleans, 2004 and 2008. *Prev Chronic Dis Public Health Res Pract Policy* 2016; 13.
- 16 Hobin E, Smith B. Is another public health crisis brewing beneath the COVID-19 pandemic? *Can J Public Health* 2020; 111: 392–6.
- 17 Wardell JD, Kempe T, Rapinda KK, *et al.* Drinking to Cope During COVID-19 Pandemic: The Role of External and Internal Factors in Coping Motive Pathways to Alcohol Use, Solitary Drinking, and Alcohol Problems. *Alcohol Clin Exp Res* 2020.
- 18 Alcohol Change UK. Casting a long shadow: What might a coming economic downturn mean for alcohol consumption and harm? 2020 https://s3.eu-west-2.amazonaws.com/files.alcoholchange.org.uk/ images/Casting-a-long-shadow-1.pdf?mtime=20200916112629&focal=none (accessed Oct 8, 2020).
- 19 Nutt DJ, King LA, Phillips LD. Drug harms in the UK: A multicriteria decision analysis. *The Lancet* 2010; 376: 1558–65.
- 20 Bonomo Y, Norman A, Biondo S, *et al.* The Australian drug harms ranking study. *J Psychopharmacol (Oxf)* 2019; 33: 759–68.
- 21 Connor J, Casswell S. Alcohol-related harm to others in New Zealand: Evidence of the burden and gaps in knowledge. *N Z Med J* 2012; 125: 11–27.
- 22 New Zealand Law Commission. Alcohol in our lives: curbing the harm. 2010.
- 23 Rehm J, Baliunas D, Borges GL, *et al.* The relation between different dimensions of alcohol consumption and burden of disease: an overview. *Addiction* 2010; 105: 817–43.
- 24 Connor J, Kydd R, Shield K, Rehm J. The burden of disease and injury attributable to alcohol in New Zealanders under 80 years of age: marked disparities by ethnicity and sex. *N Z Med J* 2015; 128: 15–28.
- Institute for Health Metrics Evaluation. Global Burden of Disease Study (GBD 2017), New Zealand. 2017.
 http://www.healthdata.org/gbd (accessed Jan 20, 2020).
- 26 Connor J, Kydd R, Maclennan B, Shield K, Rehm J. Alcohol-attributable cancer deaths under 80 years of age in New Zealand. *Drug Alcohol Rev* 2017; 36: 415–23.
- 27 Winter T, Riordan BC, Surace A, Scarf D. Association between experience of racial discrimination and hazardous alcohol use among Māori in Aotearoa New Zealand. *Addiction* 2019; 114: 2241–6.
- 28 Katikireddi SV, Whitley E, Lewsey J, Gray L, Leyland AH. Socioeconomic status as an effect modifier of alcohol consumption and harm: analysis of linked cohort data. *Lancet Public Health* 2017; 2: e267–76.
- 29 International Agency for Research on Cancer. Agents classified by the IARC Monographs, Volumes 1-125. Lyon, France: Author, 2019 https://monographs.iarc.fr/agents-classified-by-the-iarc/ (accessed Feb 18, 2020).
- 30 Connor J. Alcohol consumption as a cause of cancer. *Addiction* 2017; 112: 222–8.
- 31 Pompili M, Serafini G, Innamorati M, *et al.* Suicidal behavior and alcohol abuse. *Int J Environ Res Public Health* 2010; 7: 1392–431.

- 32 Wagenaar AC, Tobler AL, Komro KA. Effects of alcohol tax and price policies on morbidity and mortality: a systematic review. *Am J Public Health* 2010; 100: 2270–8.
- 33 Borges G, Bagge CL, Cherpitel CJ, Conner KR, Orozco R, Rossow I. A meta-analysis of acute use of alcohol and the risk of suicide attempt. *Psychol Med* 2017; 47: 949–57.
- 34 Conner KR, Bridge JA, Davidson DJ, Pilcher C, Brent DA. Metaanalysis of mood and substance use disorders in proximal risk for suicide deaths. *Suicide Life Threat Behav* 2017.
- 35 Conner KR, Bagge CL. Suicidal behavior: links between alcohol use disorder and acute use of alcohol. *Alcohol research: current reviews* 2019;40.
- 36 Coronial Information. Request for statistics on alcohol-related suicide. 2019; published online May 3.
- 37 Schwarzinger M, Pollock BG, Hasan OS, *et al.* Contribution of alcohol use disorders to the burden of dementia in France 2008–13: A nationwide retrospective cohort study. *Lancet Public Health* 2018; 3: e124–32.
- 38 Casswell S, Harding JF, You RQ, Huckle T. Alcohol's harm to others: self-reports from a representative sample of New Zealanders. *N Z Med J Online* 2011; 124.



- 39 Canada FASD Research Network. The National FASD Database-2019 Annual Report. Canada FASD Research Network. 2020 https://canfasd.ca/wp-content/uploads/publications/National-Database-Annual-Report-2019.pdf (accessed Nov 19, 2020).
- 40 Joint Food Regulation System. Decision Regulation Impact Statement: Pregnancy warning labels on packaged alcoholic beverages. 2018 https://foodregulation.gov.au/internet/fr/publishing.nsf/ Content/pregnancy-warnings-alcohol-labels (accessed Nov 19, 2020).
- FASD Working Group. Taking Action on Fetal Alcohol Spectrum Disorder: 2016–2019: An action plan.
 Wellington: Ministry of Health. Wellington: Ministry of Health, 2016 https://www.health.govt.nz/
 publication/taking-action-fetal-alcohol-spectrum-disorder-2016-2019-action-plan (accessed April 30, 2018).
- 42 Ospina M, Dennett L. Systematic review of the prevalence of Fetal Alcohol Spectrum Disorders. Alberta, Canada: Institute of Health Economics, 2013.
- 43 Streissguth AP. Fetal alcohol syndrome: A guide for families and communities. Paul H Brookes Publishing, 1997.
- 44 Williams JF, Smith VC, Committee on Substance Use. Fetal Alcohol Spectrum Disorders. *PEDIATRICS* 2015; 136: e1395–406.
- 45 Temple VK, Cook JL, Unsworth K, Rajani H, Mela M. Mental health and affect regulation impairment in fetal alcohol spectrum disorder (FASD): results from the canadian national FASD database. *Alcohol Alcohol* 2019; 54: 545–50.
- 46 Thanh NX, Jonsson E. Life expectancy of people with fetal alcohol syndrome. *J Popul Ther Clin Pharmacol* 2016; 23.
- 47 Streissguth AP, Barr HM, Kogan J, Bookstein FL. Understanding the occurrence of secondary disabilities in clients with fetal alcohol syndrome (FAS) and fetal alcohol effects (FAE). Seattle: WA: University of Washington, Fetal Alcohol and Drug Unit, 1996.
- 48 New Zealand Transport Agency. Official Information Request. Wellington, N.Z, 2020.
- 49 Ministry of Transport. Alcohol and drugs. Wellington, N.Z https://www.transport.govt.nz/statistics-andinsights/safety-annual-statistics/sheet/alcohol-and-drugs (accessed Nov 10, 2020).
- 50 Connor JL, Kypri K, Bell ML, Cousins K. Alcohol involvement in aggression between intimate partners in New Zealand: a national cross-sectional study. *BMJ Open* 2011; 1.
- 51 Connor J, You R, Casswell S. Alcohol-related harm to others: a survey of physical and sexual assault in New Zealand. *N Z Med J* 2009; 122: 10–20.
- 52 Ministry of Health. Alcohol use in New Zealand: key results of the 2007/08 New Zealand alcohol and drug use survey. Wellington: Author, 2009 http://www.health.govt.nz/publication/alcohol-use-new-zealand-key-results-2007-08-new-zealand-alcohol-and-drug-use-survey (accessed April 30, 2018).
- 53 New Zealand Government. New police disclosure scheme helping potential victims. Wellington, N.Z: Author, 2016 https://www.beehive.govt.nz/release/new-police-disclosure-scheme-helping-potentialvictims (accessed Nov 1, 2018).

- 54 Casswell S, You RQ, Huckle T. Alcohol's harm to others: reduced wellbeing and health status for those with heavy drinkers in their lives: Negative impacts of exposure to others' drinking. *Addiction* 2011; 106: 1087–94.
- 55 Enlow MB, Egeland B, Blood EA, Wright RO, Wright RJ. Interpersonal trauma exposure and cognitive development in children to age 8 years: A longitudinal study. *J Epidemiol Community Health* 2012; 66: 1005–10.
- 56 Office of the Prime Minister's Chief Science Advisor. Every 4 minutes: A discussion paper on preventing family violence in New Zealand. Auckland, New Zealand: Author, 2018 https://nzfvc.org.nz/news/every-four-minutes-chief-science-advisor-publishes-paper-family-violence (accessed Aug 19, 2019).
- 57 Cesur R, Kelly IR. Who pays the bar tab? Beer consumption and economic growth in the United States. *Econ Inq* 2014; 52: 477–94.
- 58 Slack A, Nana G, Webster M, Stokes F, Wu J. Costs of harmful alcohol and other drug use. Wellington: New Zealand: Business and Economic Research Limited (BERL), 2009.
- 59 Sullivan T, Edgar F, McAndrew I. The hidden costs of employee drinking: A quantitative analysis. *Drug Alcohol Rev* 2019; 38: 543–53.
- 60 Silins E, Fergusson DM, Patton GC, *et al.* Adolescent substance use and educational attainment: an integrative data analysis comparing cannabis and alcohol from three Australasian cohorts. *Drug Alcohol Depend* 2015; 156: 90–6.
- 61 Nana G. Alcohol costs but, who pays? Wellington, New Zealand, 2018.
- 62 The New Zealand Treasury. Financial Statements of the Government of New Zealand for the year ended 30 June 2019; Wellington, New Zealand: Author, 2019 https://treasury.govt.nz/publications/year-end/ financial-statements-2019 (accessed Dec 2, 2019).
- Egerton-Warburton D, Gosbell A, Wadsworth A, Moore K, Richardson DB, Fatovich DM. Perceptions of Australasian emergency department staff of the impact of alcohol-related presentations. *Med J Aust* 2016; 204: 155–155.
- 64 Kahler CW, Borland R, Hyland A, McKee SA, Thompson ME, Cummings KM. Alcohol consumption and quitting smoking in the International Tobacco Control (ITC) Four Country Survey. *Drug Alcohol Depend* 2009; 100: 214–20.
- 65 Muriwai, E, Huckle, T, Romeo, J. Māori attitudes and behaviours towards alcohol. Wellington, N.Z: Health Promotion Agency, 2018.
- 66 Crengle S, Robinson E, Ameratunga S, Clark T, Raphael D. Ethnic discrimination prevalence and associations with health outcomes: Data from a nationally representative cross-sectional survey of secondary school students in New Zealand. *BMC Public Health* 2012; 12: 45.
- 67 Harris R, Cormack D, Tobias M, *et al.* The pervasive effects of racism: experiences of racial discrimination in New Zealand over time and associations with multiple health domains. *Soc Sci Med* 2012; 74: 408–15.
- 68 Ministry of Health. Socioeconomic indicators. Wellington, N.Z: Author, 2018 https://www.health.govt.nz/ our-work/populations/maori-health/tatau-kahukura-maori-health-statistics/nga-awe-o-te-hauorasocioeconomic-determinants-health/socioeconomic-indicators#1 (accessed Nov 2, 2020).

- 69 Huckle T, You RQ, Casswell S. Socio-economic status predicts drinking patterns but not alcohol-related consequences independently: Socio-economic status and drinking and related consequences. *Addiction* 2010; 105: 1192–202.
- 70 Stuckler D, Basu S, McKee M. Budget crises, health, and social welfare programmes. *Bmj* 2010; 340: c3311.
- 71 Pearce J, Day P, Witten K. Neighbourhood provision of food and alcohol retailing and social deprivation in urban New Zealand. *Urban Policy Res* 2008; 26: 213–27.
- 72 Hay GC, Whigham PA, Kypri K, Langley JD. Neighbourhood deprivation and access to alcohol outlets: a national study. *Health Place* 2009; 15: 1086–93.
- 73 Ayuka F, Barnett R, Pearce J. Neighbourhood availability of alcohol outlets and hazardous alcohol consumption in New Zealand. *Health Place* 2014; 1: 186–99.
- 74 National Research Bureau. The alcohol purchasing patterns of heavy drinkers in New Zealand. Auckland, New Zealand: Author, 2012 https://www.health.govt.nz/system/files/documents/publications/ research-report-alcohol-purchasing-patterns-heavy-drinkers-nrb-june14.pdf (accessed Aug 1, 2019).
- 75 Chambers T, Stanley J, Signal L, *et al.* Quantifying the nature and extent of children's real-time exposure to alcohol marketing in their everyday lives using wearable cameras: Children's exposure via a range of media in a range of key places. *Alcohol Alcohol* 2018; 53: 626–33.
- 76 Chambers T, Pearson AL, Kawachi I, *et al.* Children's home and school neighbourhood exposure to alcohol marketing: Using wearable camera and GPS data to directly examine the link between retailer availability and visual exposure to marketing. *Health Place* 2018; 54: 102–9.
- 77 Ministry of Health. Taking the Pulse: The 1996/97 New Zealand Health Survey. Wellington, N.Z: Ministry of Health, 1999 https://www.health.govt.nz/nz-health-statistics/national-collections-and-surveys/ surveys/new-zealand-health-survey#96-97 (accessed Nov 1, 2020).
- 78 Ministry of Health. A portrait of health: Key results from the 2006/07 New Zealand Health Survey. Wellington: Ministry of Health, 2008.
- 79 Alcohol Change UK. Research: drinking in the UK during lockdown and beyond. London, U.K: Alcohol Change UK https://alcoholchange.org.uk/blog/2020/drinking-in-the-uk-during-lockdown-and-beyond (accessed Nov 2, 2020).
- Health and Disability System Review. Health and Disability System Review Final Report Pūrongo
 Whakamutunga. Wellington, N.Z: Author, 2020 https://systemreview.health.govt.nz/assets/Uploads/
 hdsr/health-disability-system-review-final-report.pdf (accessed Dec 1, 2020).
- 81 Gallet CA. The demand for alcohol: a meta-analysis of elasticities. *Aust J Agric Resour Econ* 2007; 51: 121–35.
- 82 Rabinovich L, Brutscher P-B, Vries H de, Tiessen J, Clift J, Reding A. The affordability of alcoholic beverages in the European Union. *Underst Link Alcohol Affordabil Consum HarmsCambridge Rand Corp* 2009.
- 83 Wall M, Casswell S. Affordability of alcohol as a key driver of alcohol demand in New Zealand: a cointegration analysis. *Addiction* 2013; 108: 72–9.

- Health Promotion Agency. Trends in affordability of alcohol in New Zealand April 2018. Wellington: Author,
 2018 https://www.hpa.org.nz/research-library/research-publications/trends-in-affordability-of-alcohol-in-new-zealand (accessed April 30, 2018).
- 85 Faulkner C, Christie G, Zhou L, King J. The effect of alcohol price on dependent drinkers' alcohol consumption. *N Z Med J* 2015; 128: 9–17.
- 86 Chikritzhs TN, Allsop SJ, Moodie AR, et al. Per capita alcohol consumption in Australia: Will the real trend please step forward? *Medical Journal of Australia* 2010;193:594–7.
- 87 White J, Lynn R, Ong S-W, Whittington P, Clare C, Joy S. The Effectiveness of Alcohol Pricing Policies. 2014 https://www.justice.govt.nz/assets/Documents/Publications/effectiveness-of-alcohol-pricingpolicies.pdf (accessed April 30, 2018).
- 88 Chisholm D, Moro D, Bertram M, et al. Are the "Best Buys" for Alcohol Control Still Valid? An Update on the Comparative Cost-Effectiveness of Alcohol Control Strategies at the Global Level. J Stud Alcohol Drugs 2018; 79: 514–22.
- 89 Elder RW, Lawrence B, Ferguson A, *et al.* The effectiveness of tax policy interventions for reducing excessive alcohol consumption and related harms. *Am J Prev Med* 2010; 38: 217–29.
- 90 Wagenaar AC, Salois MJ, Komro KA. Effects of beverage alcohol price and tax levels on drinking: a metaanalysis of 1003 estimates from 112 studies. *Addiction* 2009; 104: 179–90.
- 91 Cobiac LJ, Mizdrak A, Wilson N. Cost-effectiveness of raising alcohol excise taxes to reduce the injury burden of road traffic crashes. *Inj Prev* 2018; : injuryprev–2018–042914.
- 92 Alcohol Healthwatch. UMR Public opinion poll: support for alcohol policies. Auckland, New Zealand: Author, 2019.
- 93 Zhao J, Stockwell T. The impacts of minimum alcohol pricing on alcohol attributable morbidity in regions of British Colombia, Canada with low, medium and high mean family income. *Addiction* 2017;112:1942–51. doi:**https://doi.org/10.1111/add.13902**
- O'Donnell A, Anderson P, Jané-Llopis E, Manthey J, Kaner E, Rehm J. Immediate impact of minimum unit pricing on alcohol purchases in Scotland: Controlled interrupted time series analysis for 2015-18. *BMJ* 2019; : I5274.
- 95 Meier PS, Holmes J, Angus C, Ally AK, Meng Y, Brennan A. Estimated effects of different alcohol taxation and price policies on health inequalities: A mathematical modelling study. *PLoS Med* 2016; 13: e1001963.
- 96 Jiang H, Livingston M, Room R, *et al.* Modelling the effects of alcohol pricing policies on alcohol consumption in subpopulations in Australia. *Addiction* 2020; : add.14898.
- 97 Frontier Economics. Minimum unit alcohol pricing: Evaluating the impacts on the alcoholic drinks industry in Scotland: Baseline evidence and initial impacts. London, United Kingdom: Author, 2019 http://www. healthscotland.scot/media/2810/frontier-economics-mup-evaluating-the-impacts-on-the-alcoholicdrinks-industry-in-scotland.pdf (accessed Dec 9, 2019).



- 98 New Zealand Government. Alcohol Law Reform: Cabinet paper. Wellington, N.Z: New Zealand Government, 2010 https://www.beehive.govt.nz/sites/default/files/alcohol-law-reform-cabinetpaper-final.pdf (accessed Nov 19, 2020).
- 99 New Zealand Parliament. Alcohol Reform Bill: Explanatory note. Wellington, New Zealand, 2010.
- 100 Alcohol Regulatory and Licensing Authority. Report of the Alcohol Regulatory and Licensing Authorit for the 12 months ended 30 June 2019. Wellington, N.Z, 2019 https://www.parliament.nz/resource/en-NZ/ PAP_92971/d73ab2acc835b7dee35797f8eab3a1685972c4a0 (accessed Nov 9, 2020).
- 101 Reynolds J, Wilkinson C. Accessibility of 'essential' alcohol in the time of COVID-19: Casting light on the blind spots of licensing? *Drug Alcohol Rev* 2020; 39: 305–8.
- 102 Connor, J., Maclennan, B., Huckle, T., Romeo, J., Davie, G., Kypri, K. Changes in the incidence of assault after restrictions on late-night alcohol sales in New Zealand: Evaluation of a natural experiment using hospitalisation and police data. *Addiction* 2020. DOI: **https://doi.org/10.1111/add.15206**
- 103 Huckle T, Parker K, Mavoa S, Casswell S. Reduction in Late-Night Violence following the Introduction of National New Zealand Trading Hour Restrictions. *Alcohol Clin Exp Res* 2020; 44: 722–8.
- 104 New Zealand Government. Child and Youth Wellbeing Strategy. Wellington: Author, 2019 https:// childyouthwellbeing.govt.nz/sites/default/files/2019-08/child-youth-wellbeing-strategy-2019.pdf
- 105 Anderson P, Bruijn A de, Angus K, Gordon R, Hastings G. Impact of alcohol advertising and media exposure on adolescent alcohol use: a systematic review of longitudinal studies. *Alcohol Alcohol Oxf Oxfs* 2009; 44: 229–43.
- 106 Smith LA, Foxcroft DR. The effect of alcohol advertising, marketing and portrayal on drinking behaviour in young people: systematic review of prospective cohort studies. *BMC Public Health* 2009; 9: 51.
- 107 Stautz K, Brown KG, King SE, Shemilt I, Marteau TM. Immediate effects of alcohol marketing communications and media portrayals on consumption and cognition: a systematic review and metaanalysis of experimental studies. *BMC Public Health* 2016; 16: 465.
- 108 Sargent JD, Babor TF. The Relationship Between Exposure to Alcohol Marketing and Underage Drinking Is Causal. *J Stud Alcohol Drugs Suppl* 2020; : 113–24.

- 109 World Health Organization. Global strategy to reduce the harmful use of alcohol. Geneva: Switzerland: Author, 2010.
- 110 Babor TF, Robaina K, Noel JK, Ritson EB. Vulnerability to alcohol-related problems: a policy brief with implications for the regulation of alcohol marketing. *Addiction* 2017; 112: 94–101.
- 111 Health Promotion Agency. Alcohol-related attitudes over time: Infographic. HPA Health Promot. Agency.
 2018; published online Oct 26. https://www.hpa.org.nz/research-library/research-publications/
 alcohol-related-attitudes-over-time-infographic (accessed Jan 24, 2019).
- 112 Noel J, Lazzarini Z, Robaina K, Vendrame A. Alcohol industry self-regulation: who is it really protecting?: History of alcohol self-regulation. *Addiction* 2017; 112: 57–63.
- 113 Critchlow N, Moodie C, Bauld L, Bonner A, Hastings G. Awareness of, and participation with, digital alcohol marketing, and the association with frequency of high episodic drinking among young adults. *Drugs Educ Prev Policy* 2016; 23: 328–36.
- 114 World Health Organization, Regional Office for Europe, World Health Organization. Monitoring and restricting digital marketing of unhealthy products to children and adolescents. Copenhagen, Denmark: World Health Organization, 2019 https://www.euro.who.int/__data/assets/pdf_file/0008/396764/ Online-version_Digital-Mktg_March2019.pdf?ua=1 (accessed Sept 21, 2020).
- 115 Noel JK, Sammartino CJ, Rosenthal SR. Exposure to digital alcohol marketing and alcohol use: A systematic review. Journal of Studies on Alcohol and Drugs, Supplement 2020;:57–67.
- 116 Ministerial forum on Alcohol Advertising, Sponsorship. Recommendations on alcohol advertising and sponsorship. 2014 http://www.health.govt.nz/publication/ministerial-forum-alcohol-advertising
- 117 Mental Health and Addiction Inquiry. He ara oranga: Report of the Government Inquiry into mental health and addiction. Wellington, New Zealand: Author, 2018 https://mentalhealth.inquiry.govt.nz/assets/ Summary-reports/He-Ara-Oranga.pdf (accessed Aug 20, 2019).
- 118 Casswell S. Vested interests in addiction research and policy. Why do we not see the corporate interests of the alcohol industry as clearly as we see those of the tobacco industry? Alcohol corporate interests compared with tobacco. *Addiction* 2013; 108: 680–5.
- 119 Brown K. Association Between Alcohol Sports Sponsorship and Consumption: A Systematic Review. *Alcohol Alcohol Oxf Oxfs* 2016; 51: 747–55.
- 120 Sport New Zealand. An estimation of the value of alcohol sponsorship in New Zealand Wellington (NZ). Wellington: Sport New Zealand, 2015.
- 121 Carney, S. 150 Western Australian Country Football Clubs To Receive Mental Health Support. Perth, Western Australia: Ministry of Sport, 2018 https://ministryofsport.com.au/150-western-australiancountry-football-clubs-to-receive-mental-health-support/ (accessed Nov 2, 2020).
- 122 Kaner E, Beyer F, Dickinson H, *et al.* Brief interventions for excessive drinkers in primary health care settings. *Cochrane Database Syst Rev* 2007.

- 123 Love TE, Hefford M, Ehrenberg N. Cost savings of brief alcohol interventions in primary health care. Alcohol Advisory Council of New Zealand Wellington, 2011.
- 124 NZ Transport Agency. Road safety outcomes: Supplement to the NZ Transport Agency's Quarterly Results and insights (1 July to 30 September 2019). Wellington, N.Z: Author, 2019 https://www.nzta.govt.nz/ assets/resources/road-safety-outcomes/docs/rso-jul-sep-2019.pdf (accessed Jan 20, 2020).
- 125 Whiting Moyne. Auckland Transport: Road safety business improvement review. November 2017 to January 2018. Victoria: Australia: Author, 2018.
- 126 Donaldson, L. Guidance on the consumption of alcohol by children and young people. London, UK: Department of Health, 2009.
- 127 Fergusson, D., & Boden, J. (2011). Alcohol use in adolescence. In P. Gluckman, & H. Hayne, Improving the transition: Reducing social and psychological morbidity during adolescence (pp. 235-255). Wellington: Office of the Prime Minister's Science Advisory Committee
- 128 Lees, B, Meredith, LR, Kirkland, AE, Bryant, BE, & Squeglia, LM. (2020). Effect of alcohol use on the adolescent brain and behavior. *Pharmacology Biochemistry and Behavior*, 192, 172906.
- 129 Ameratunga, S, Waayer, D, Robinson, E, Clark, TC, Crengle, S, Denny, S et al. (2011). Youth '07: The health and wellbeing of secondary school students in New Zealand. Young people and alcohol. Auckland: New Zealand: The University of Auckland, Adolescent Health Research Group.
- 130 Health Promotion Agency. Low-risk alcohol drinking advice. n.d. http://alcohol.org.nz/help-advice/ advice-on-alcohol/low-risk-alcohol-drinking-advice
- 131 National Health and Medical Research Council. Australian guidelines to reduce health risks from drinking alcohol. Canberra; Australia, 2009.
- 132 Everitt, R., & Jones, P. (2002). Changing the minimum legal drinking age its effect on a central city emergency department. *New Zealand Medical Journal*, 115(1146), 9-11.
- 133 Huckle, T, Pledger, M, & Casswell, S. (2006). Trends in alcohol-related harms and offences in a liberalized alcohol environment. *Addiction*, 101(2), 232-240.
- 134 Kypri, K, Davie, G, McElduff, P, Langley, J, & Connor, J. (2017). Long-term effects of lowering the alcohol minimum purchasing age on traffic crash injury rates in New Zealand. *Drug and alcohol review*, 36(2):178-185.
- 135 Kypri, K, Voas, RB, Langley, JD, Stephenson, SC, Begg, DJ, Tippetts, AS, & Davie, GS. (2006). Minimum purchasing age for alcohol and traffic crash injuries among 15- to 19-yearolds in New Zealand. *American Journal of Public Health*, 96(1), 126-131.
- 136 World Health Organization. The SAFER technical package: five areas of intervention at national and subnational levels. Geneva: World Health Organisation, 2019 https://apps.who.int/iris/ handle/10665/330053 (accessed Dec 9, 2019).

