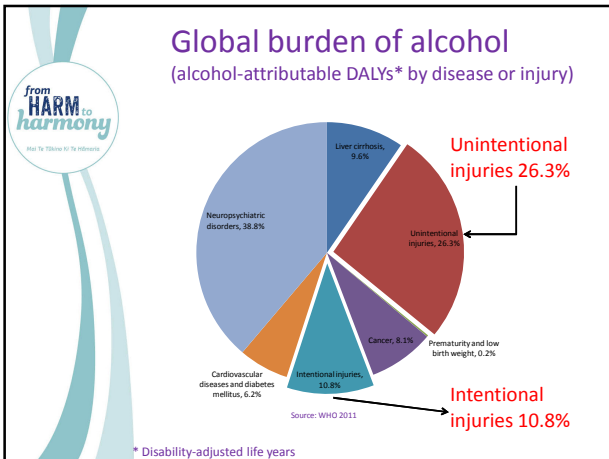


\$\$\$

- Injury - ↑ than \$10 billion in 2010
- Family violence- \$8 billion/year
- Child abuse- \$2 billion/year
- Sexual violence- \$1.2 billion/year
- Average cost of a homicide- \$4 million

Domestic violence costs Manukau \$500m report



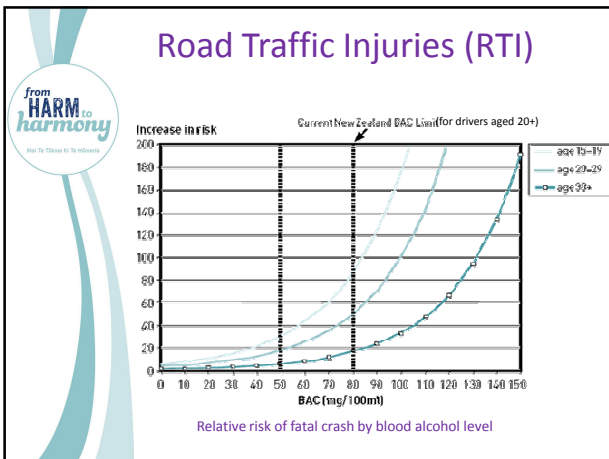
Burden of alcohol in NZ

- 1 in 4 NZers have potentially hazardous drinking problem
- 1 in 3 NZers harmed by their own drinking in previous year
- Around 1000 NZers die each year due to alc-rel. causes
- We spend approx. \$85million/week
- Health & social costs- \$5.3 billion/year

Alcohol & Injury

- Globally ≈ 42% of all unintentional & intentional deaths are alc-rel.
- Of all alc-rel. deaths in NZ ↑ 50% of deaths & 70% of years of life lost each year are due to alc-rel. injuries
- Both a causal and a significant contributing factor
- Dose response relationship
- Psycho-pharmacological effects @0.02 BAC
- + with ↑ number/concentration of outlets, ↑ sales & longer trading hours

Unintentional injuries



RTI contd...

from HARM to harmony

One dead, three injured in Northland crash

By Matthew Backhouse @Mbackhouse
12:28 PM Sunday Nov 11, 2012

The car landed on its roof in a deep ditch at the side of the road. Alcohol and speed were believed to be contributing factors. A 22-year-old local man died at the scene.

Speed, alcohol blamed for Labour Weekend road deaths

MICHAEL DALY
Last updated 13:06 23/10/2012

Fifteen-year-old unlicensed drink driver caught

Alcohol a factor in weekend road deaths
NZ Herald
Updated June 3, 2012, 4:39 pm

Drunk driver 'couldn't comprehend' crash

RTI contd...

from HARM to harmony

Suspected drink driver slams into parked car

By Sam Rover of the Raw of Plenty Times
Drink driving: why the law must change
By Matthew Deamaley
4:00 AM Saturday Jul 31, 2010

Nearly half of road deaths involve drugs, alcohol

17:54 AED Sunday June 6, 2010

Sozzled - but legal to drive

Drunk driver suffocated by car door

Road toll puts focus back onto alcohol limits
By NewsTalk 2.0 Staff | Latest News | Tuesday June 5 2012 9:30

RTI contd...

from HARM to harmony

- 2001-2010: alc-rel. non-fatal hospitalisation injuries among cyclists almost doubled
- 2006-2010 intoxicated pedestrian injuries= 52 died, 128 serious, 227 minor injuries.
- Overall data 👍

Falls

from HARM to harmony

- 3 or more SD ↑ risk of fall by 12 times
- Falling overboard during recreational boating activities- 67% had + BAC
- Most alc-rel. falls occur in homes followed by public places
- Overall data 👊

Fire

from HARM to harmony

- ≈ 40-44% of fire fatalities involve alcohol
- 🍷 + 🚬 + 🍷 = ↑ risk
- Inadequately respond to fire alarms
- Children, Māori, Pacific and those living in low SE areas ↑ risk
- Alc-rel. burn victims- 3 times ↑ likely to die
- Data 👊

Drowning





- Alc. ↑ risk of drowning by 16 times
- Drinking ↑ reckless aquatic behaviour by 10 times
- 2007-2010: 83 alc –rel. drownings



Drowning



- Māori, Pacific, male and young adults appear ↑ in stats
- Drinking on boats ≈ 3 deaths a year
- No BAC for skippers
- Data  



Warning: Don't drink and swim, says coroner

11:40 AM Friday Jan 13, 2012

A man who drowned in front of his anguished partner and children had been up all night drinking and continued during the day before making the fatal decision to take his family to the beach.



Sports injuries



- ↑ rates of hazardous drinking among NZ elite sports people.
- 14% males & 8% females injured in the previous 12 months as a result of their drinking.

"...every year we hear about more instances of ... players misbehaving because of excess alcohol consumption..."

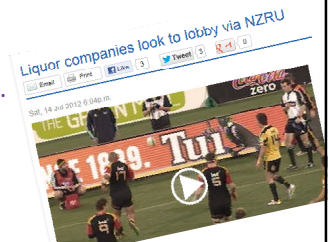
"...that 70% of the team were involved in a drinking culture..."



contd...



- Alc. consumption in the 6 hrs prior to injury is associated with an increasingly higher risk of sports injuries, with an injury prevalence of 55% in drinkers compared with 24% in non-drinkers.



contd...



- Sports people alcohol use is strongly associated with drink-driving, unprotected and unplanned sex and antisocial behaviour

- Data 

Dr lashes out at drunken shooters

ONYI/NETH HINDSMAN

Last updated 05:09 14/04/2012

Southland Hospital's emergency department has seen up to five

Occupational injuries



- 20-25% of occupational injuries involve intoxicated workers
- Intoxicated workers are more likely to disregard work-related safety precautions and take greater work-related risks.
- Workers drinking at high levels are 4 to 7 times more likely to report alcohol-related absenteeism.

from **HARM** to harmony

contd...

- Alc-rel. lost productivity costs NZ between \$34-\$57 million/year.
- Data 



from **HARM** to harmony

Poisoning


- 2001-2009: alc-rel. fatal poisoning quadrupled
- 2005-2007: 20.3% children & young people died due to alcohol poisoning
- Females 15-24 years ↑ risk

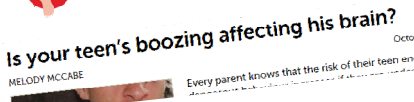
Cutting & piercing

- Alc. ↑ risk by up to 3 times at home, with the risk further ↑ with ↑ alcohol consumption

from **HARM** to harmony


Alcohol-related brain injury (ARBI)

- Can occur before and after birth
- Alcohol use during pregnancy- FASD
- Adolescence brain more vulnerable than adults
- ARBI in adults
- Estimated 1 in 5 NZers at risk of ARBI
- Data 



from **HARM** to harmony

Traumatic Brain Injury (TBI) & Spinal Cord Injury (SCI)

- Alc ↑ risk of TBI by 2-4 times
- SCI by 3 times
- Up to 68% suspected TBI cases in A&E have ↑ blood alcohol levels
- Data 

from **HARM** to harmony

Intentional injuries- Violence

- Multi-faceted problem
- Links between alcohol and violence are complex
- Multiple mechanisms proposed
- Agreement that alcohol increases likelihood and severity of violence
- Alcohol can directly cause aggression

from **HARM** to harmony

contd...

- Most alc-rel violence occurs in public places followed by homes
- Men exp. more viol outside home
- Women exp. more viol in the home
- Underreported



Community violence

- Alc a risk factor
- A third of all violent offenders intoxicated @ arrest
- Est. ↑ 62,000 physical assaults/year
- ½ victims of crime in public places report offender was intoxicated

Police, Health And Community Unite Against Alcohol Fueled Violence

Serious crime driven by alcohol, poverty - scientists

IPV, FV and DV



- Strong correlation between alc n IPV
- Harmful alcohol use ↑ risk of exposure to IPV by up to 8 times
- 1/3 of all FV is alc -related
- Māori and Pacific people are at ↑ risk
- Cohabit

UN report: New Zealand home violence is the worst

contd...

- Women affected by IPV-6 times more likely abuse alcohol
- Use alc as coping mechanism
- Pregnant women who experience abuse- ↑ likely to abuse alcohol
- women who abuse alc during pregnancy are ↑ risk of child abuse
- Outlet density: + associated with IPV

Homicide

- ½ of all homicides alc-related
- 1L ↑ per capita alc consumption = ↑ in homicides: 8% among  & 6% among 
- + association with alc outlets
- + association with early drinking, before 21yrs of age

Sexual violence

- Alc is implicated in ½ of all sexual assaults
- Est. ↑ 10,000 sexual assaults /year alc related
- + association with alc outlets
- Use alcohol as coping mechanism

News
Regular news from the New Zealand Doctor newsroom
Alcohol most common drug in sexual assault

Suicide


...New Zealand has the second highest rate of youth suicide in the OECD and that alcohol is the major factor in youth suicide....

Dr John Cranshaw
Director of Mental Health
Cutting Edge Conference 6th September 2012, Wellington

Linking alcohol abuse to high youth suicide

OPINION: Last week at the Cutting Edge conference in Wellington, the Ministry of Health's new Director of Mental Health, John Cranshaw, spoke about the Government and ministers in the addiction sector. It was an interesting talk. Dr Cranshaw pointed out New Zealand has the second highest rate of youth suicide in the OECD and that alcohol is the major factor in youth suicide.

Suicide



- Alc. use disorders-2nd m/c condition
- Risk of suicide ↑ 4-8 times
- Causal relationship: major depression & alcohol use
- 2010- 40% of suicides +ive for alc/drugs
- Between a quarter & 1/3 of older adult suicide victims have a substance-use disorder

Suicide rate 'huge concern'

NZ youth death rates among worst - research


STAGE 1 NEWS
Last updated 14:48 T:06/09/11
Wed, 25 Feb 2012 10:46am

Self-harm



- Alc-rel. non-fatal self inflicted injury hospitalisations ↑ in the last decade
- ↑50%  & 30%  present to ED with deliberate self harm had drunk alcohol in previous 6 hours of their attempt.
- + link with outlet density, per capita consumption and early drinking

Youth violence



- 2007-08- alc. implicated in ↑20,000 violent offending, m/c age ↓25 yrs & males
- “Pre-loading”- 2.5 times ↑likely to be involved in a fight & be sexually/verbally assaulted
- Pre-teen alc. associated with bullying

BOOZE TO BLAME FOR YOUTH VIOLENT CRIME - JUDGE

Posted by [BOO](#) on Wednesday, June 27, 2012


Stuff.co.nz 27 June 2012

While youth crime overall is steadily declining, serious violent offending has increased and the alcohol is to blame. Statistics released yesterday show that 3582 offences were recorded in the

Elder abuse



- Alc. -risk factor for both the victim and the caregiver (often perpetrator)
- Several reports have identified close links.
- Alc. misuse by abuser noted in 23% of cases

- Overall alcohol-related violence data 

Seasonal/sporting events

“... we know more incidents of domestic violence involving alcohol occur during the Christmas period than any other time of the year...”

Women's Refuge braces for New Year's influx

by Sam Hoyer | Wednesday, December 28, 2011 15:17

The Christmas holiday period traditionally corresponds with a rise in family violence and this year's holiday has been no different.



Christmas domestic violence warning

1:00 PM Wednesday Dec 14, 2005

Police gearing up for the "casualties of Christmas violence" say money pressures...

Avoid Alcohol Related Harm This Holiday Season

Tuesday 13 December 2011, 6:34PM

By ALAC

148 views

The Accident Compensation Corporation (ACC) and the Alcohol Advisory Council (ALAC) are reminding people to take care to avoid alcohol-related injury and harm this holiday season.

contd...

Post-rugby violence 'sad reality' - police

9:25 AM Sunday Aug 26, 2012

Tweet 52 Like 95

Police saw an increase in domestic violence following the All Blacks' win against the Wallabies last night.

Central communications shift commander Mark Oliver said it was the "sad reality" of New Zealand culture.

"There's too much alcohol, people get on the turos on big game nights," he



Rise in assaults during Rugby World Cup

RWC sex risks increased with drink

NZ Newsline
Published: 06/09/12, 10:31 am

Police disappointed with drunk rugby fans

By Daniel Richardson @samnews2

1:00 PM Thursday Sep 26, 2012

Alcohol-fuelled spectators in spotlight

Gullen Smith | 22 Sep 2012 9:36

Booze-fuelled violence sets stage for blitz

Alcohol & ED

Booze-fuelled assaults fuel record emergency hospital numbers
 1:56 PM Friday Dec 30, 2011

Alcohol-fuelled assaults are generating record numbers through the doors of Tauranga Hospital's Emergency Department.

Kaitiaki Emergency Department tackling alcohol-related harm
 Alcohol fuelled assault, falls and vehicle crashes place additional strain on an already stretched Kaitiaki Emergency Department.

10 drunks a day at emergency rooms
 By Wayne Thompson
 5:30 AM Wednesday Jun 27, 2012

Alcohol-related injuries impact Palmerston North
 Friday, 7 May 2010, 2:56 pm
 Press Release: The Alcohol Advisory Council

New research on alcohol-related injuries among patients presenting at Palmar Hospital

from HARM to harmony
 More drunk girls in ED
 Disturbing insight into nation's drinking
 Drunks fill hospital emergency departments

Children (unintentional & intentional)

- Parental/caregiver alcohol use is + associated with lack of supervision
- Between 2005-2007: 61 children & young adults died each year due to their or someone else's drinking

Kids dying because of drinking - experts
 By Matthew Backhouse @Mbackhouse
 7:56 PM Thursday Mar 22, 2012

Hundreds of children are injured, killed or abused every year by caregivers who have been drinking but agencies are failing to grasp the extent of the problem, experts say.

from HARM to harmony

contd...

- 2003-2007: 90% children who died in alc-rel. crashes the driver was in their car
- 1995-2006: of the 22 secondary alcohol-rel. fire victims, 12 were children (between 1995-2006)

NZ Among Nations Making No Progress On Child Maltreatment
 Friday, 9 December 2011, 2:01 pm
 Press Release: University of Chicago

from HARM to harmony

contd...

- 1 in every 6 cases of child abuse is alc-related
- likelihood of child abuse: 6-8 times ↑ if child's mother engaged in hazardous drinking during conception or 1st trimester of pregnancy

Reports of child abuse escalate in Central North Island
 By Cherie Taylor
 2:53 PM Tuesday Sep 14, 2010

Child abuse reports rise four times than level of 2009, find researchers say

JJ trial: 'Too wasted' to get help
 By Edward Gey @edwardgey
 7:05 PM Friday Nov 2, 2012

from HARM to harmony

contd...

- 171 child abuse cases reported to CYFs (1 yr)-82% violent relationship between parents and equal number had alcohol abuse problems
- Data 

Study Release: NZ shamed by our child abuse record
 Friday, 13 October 2009, 1:26 pm
 Press Release: UNICEF

from HARM to harmony

Hto (Harm to others)

- ↑ significant than previously thought
- Prevalence of experiencing at least 1 -ve consequence from someone else's drinking is estimated to be 1 in 4
- Estimated that ↑ 62,000 physical assaults & 10,000 sexual assaults occur where perpetrator had been drinking
- Women, children and young adults experience ↑ harm

from HARM to harmony

contd...



- In 2010, for every 100 alcohol/drug impaired drivers or riders who died in road crashes, 54 of their passengers & 23 sober road users die with them
- 1 in 8 unintentional residential fire deaths are victims of alcohol-related fires
- 1 in 10 women and 1 in 5 men assaulted at least once in the previous four weeks by someone who had been drinking



Alcohol-related injuries and violence are preventable



- Population level interventions
 - Alcohol Policies
 - Others: local planning, bylaws, CPTED
- Local level interventions
 - Community level
 - Service delivery-inter-agency collaboration
- Settings based- road; licensed premises; workplace; home; sports recreation; special events/occasions
- Individual level-Screening and brief interventions; treatment

Recommendations



1: *Prioritising alcohol harm reduction*

- That a whole of government approach to addressing alcohol-related harm is adopted, and that alcohol is given a greater priority in national policy and planning.



Recommendations

2: *Developing effective policy interventions*

- That evidenced-based alcohol policy interventions are implemented in accordance with the Global Strategy to Reduce the Harmful use of Alcohol, and as recommended by the New Zealand Law Commission.



Recommendations

3: Planning for alcohol harm reduction

- That a comprehensive and intersectoral national plan is developed to support the implementation of evidence-based strategies and interventions to reduce alcohol-related harm, and that this plan includes specific measures to address the risk factors for injury and violence.



Recommendations

4: Improving the collection of alcohol-related data


- That a strategic and coordinated approach to alcohol research on the role of alcohol in injuries and violence is adopted to enhance our knowledge about the role of alcohol within the diverse populations by gender, age and ethnicity; and inform the development of interventions and measure the impact of interventions.



Recommendations

5: Addressing the social determinants that contribute to alcohol harm

- That a whole of government approach to addressing social and ethnic inequalities including poverty is adopted.



Recommendations

6: Integrating screening and brief intervention into healthcare practice and service delivery

- That routine and standardised screening for harmful alcohol use is integrated within and across sectors, and that this is routinely linked to best practice brief interventions and/or referrals to treatment services.



Recommendations

7: Kaupapa Māori Services

- That services for Māori are delivered within a Kaupapa Māori values framework that reflects the aspirations of Whanau Ora.



Recommendations

8: Enhancing treatment services

- Alcohol and other Drug treatment services be assessed for their responsiveness to alcohol-related injury and violence outcomes, and a plan to address the gaps and issues identified be developed and implemented.



Recommendations

9: Strengthening communities

- Communities are better resourced and supported to lead alcohol-related harm interventions.



Thank you

Full list of references available in the briefing paper and literature reviews.

News clippings source: NZ Herald, stuff co.nz, Newstalk ZB, Yahoo news, NZ Doctor, Scoop, The Press, 3 news, The Star.

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raj@ahw.org.nz

