

What is *Positive Choices*?

www.positivechoices.org.au

- Central access point for trustworthy, up-to-date drug and alcohol information and educational resources
- Learning resources, factsheets, videos, and games to engage young people with drug education
- Access to classroom-based drug prevention programs that are proven to reduced drug-related harms
 Suggestions/feedback: info@positivechoices.org.au







Developed by NDARC and NDRI, in consultation with teachers, parents and students. Funded by Australian Department of Health.

Personality-targeted interventions to prevent substance use and mental ill health: The Preventure program.

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Outline

- 1. Background
- 2. Adaption for Australian students
- 3. Clinical examples
- 4. Results from the Australian trial





Why prevent?

- 240 million adults worldwide suffer from an alcohol use disorder (Gowing et al, 2015).
- Burden of disease and social costs associated with alcohol use disorders is substantial (Whiteford et al, 2010).
- Alcohol use among Australians aged 12-17yrs (ASSAD, 2011).
 - o 74% have tried alcohol
 - o 6.4% binge drink (4+ drinks) at least weekly
 - 62% have experienced at least one negative outcome in past year (e.g 36% vomited)





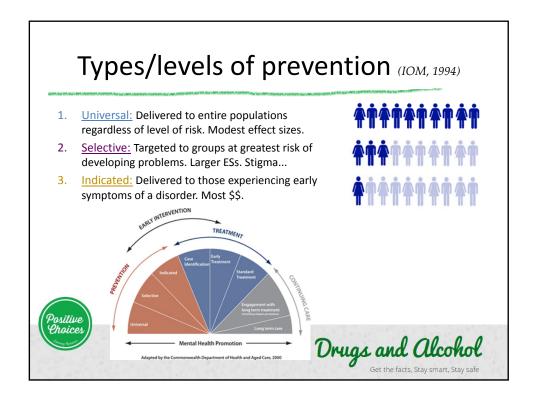


Why prevent?

- Early initiation leads to:
 - o Substance use disorders
 - o Comorbid mental health problems
 - o Poor academic performance/drop out
 - o Neuropsychological deficits
- Each year we delay the onset of drinking we reduce the odds of developing an alcohol use disorder by 9% (Grant et al., 2001)
 - Effective prevention is therefore critical







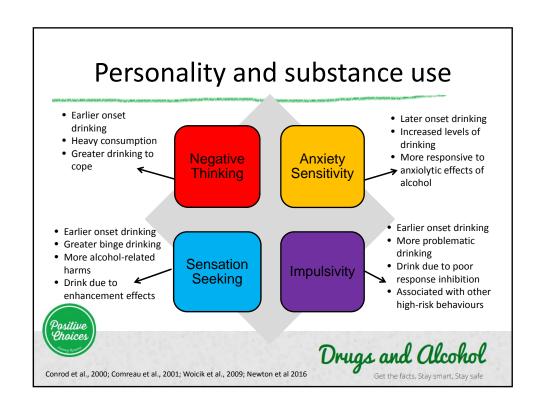


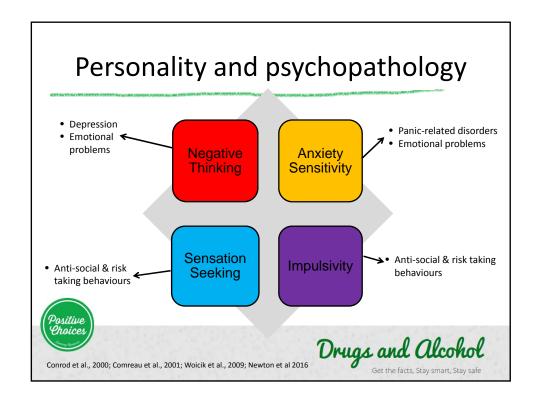
Selective 'Preventure' program (Conrod et al)

- Targets four personality profiles linked to adolescent substance misuse
 psychopathology (Woicik et al., 2009)
 - Negative Thinking (NT)
 - low mood, negative beliefs about self, others & future
 - Anxiety Sensitivity (AS)
 - · fear of anxiety-related physical sensations
 - Impulsivity (IMP)
 - rapid decision-making & action, poor response inhibition
 - Sensation Seeking (SS)
 - · elevated need for stimulation, risk-taking







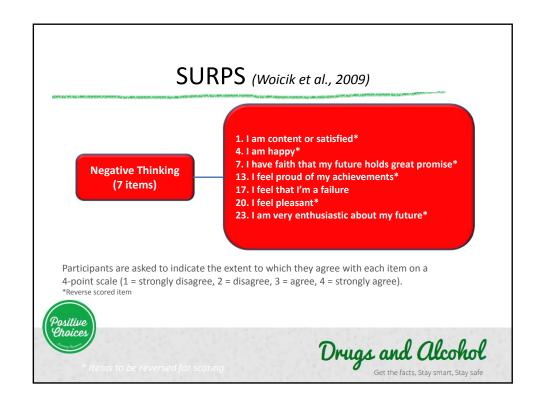


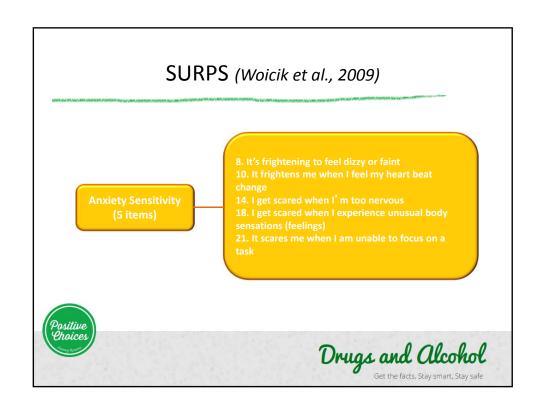
Preventure components

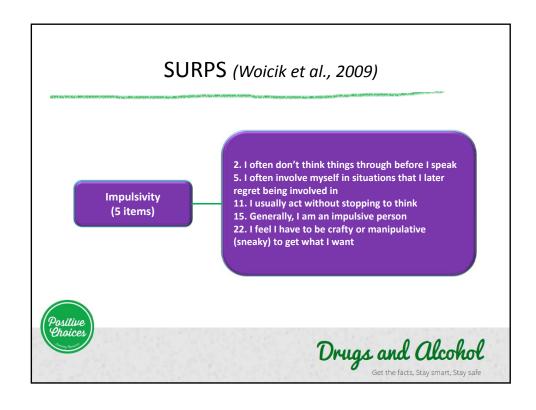
- Step 1: Screen for risk using the Substance Use Risk Profile Scale (SURPS)
 - 23-item self-report scale
 - Assesses risk along 4 personality dimensions NT, AS, IMP, SS.
 - Measures personality and not substance use, therefore identifying adolescents "at risk" for substance use prior to the onset of use.
 - Previous studies of the SURPS have demonstrated:
 - o Reliable & valid in predicting substance use and emotional problems
 - o High cross-cultural validity in UK, The Netherlands, Sri Lanka, China, Mexico, Japan & Australia

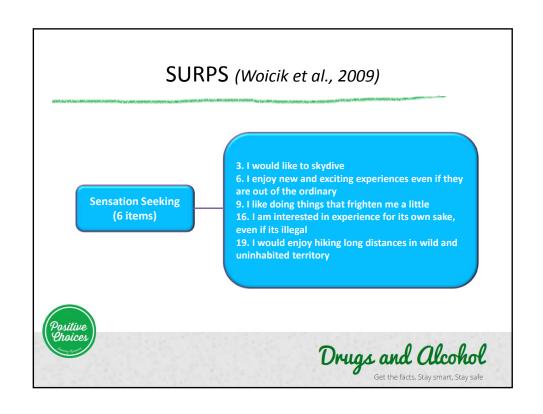
(Woicik et al., 2009; Castellanos-Ryan et al., 2013; Krank et al., 2011; Lammers et al., 2013; Malmber et al., 2010, Siu, 2011, Robles-Garcia et al., 2014, Omiya et al., 2015, Newton et al., 2016).











Preventure components

Step 2: Invite high-risk students to partake in interventions

- 2 x 90 minute coping skills workshops
- Focused on personality, not substance use.
- Delivered by trained facilitators and co-facilitators
- Facilitator training = 3 day workshop + supervision
 - <u>Day 1</u>: Theoretical underpinning covering personality, motivation & CBT
 - o Day 2: Basic counselling skills
 - o Day 3: Reviewing CBT & MI principles + role plays
 - o <u>Supervision:</u> 3 hours of supervision delivering interventions







Preventure components

Step 2: Invite high-risk students to partake in interventions

- Interventions are based on:
 - o motivational interviewing: goal setting, pros and cons
 - cognitive-behavioural therapy: understanding links between thoughts, physical sensations, actions; identify and challenge personality-specific cognitive distortions:

Negative Thinking: Internalising, overgeneralisation, false conclusions Anxiety Sensitivity: Over-estimating the possibility, thinking the worst Impulsivity:
Not thinking things
through, aggressive
thinking

Sensation Seeking: thinking in extremes, needing to stand out



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Adapting Preventure for Australian students

- Prior to trialling *Preventure* in Australian schools, the team adapted it to make it more appropriate for students in Australia
- This involved focus groups with 69 students from 3 schools, a focus group for health pforessionals (n=5), and a survey with teachers (n=6)
- Students were screened with the SURPS; invited 'high risk' students to participate in focus groups based on corresponding personality type
 - o 10 focus groups (5-8 students), approx 90mins
 - Questionnaire
 - Manuals (specific to their personality type), encouraged to provide feedback verbally/on post-it notes

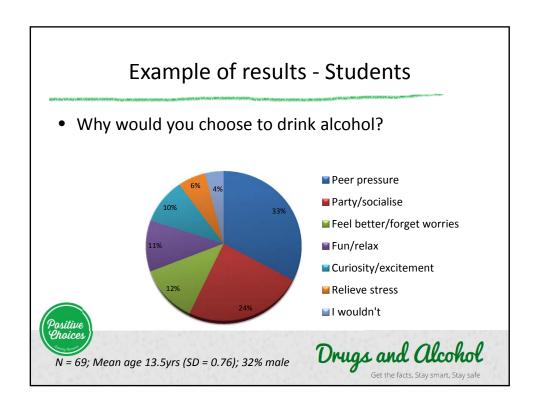


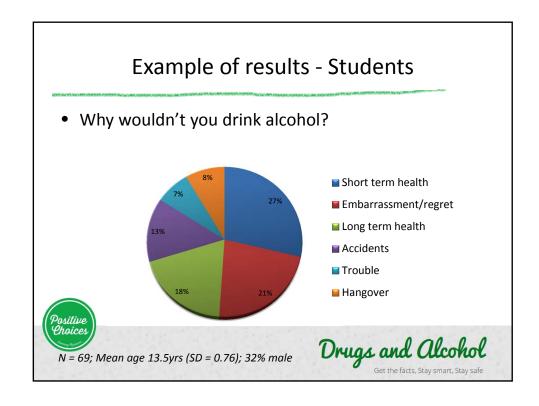


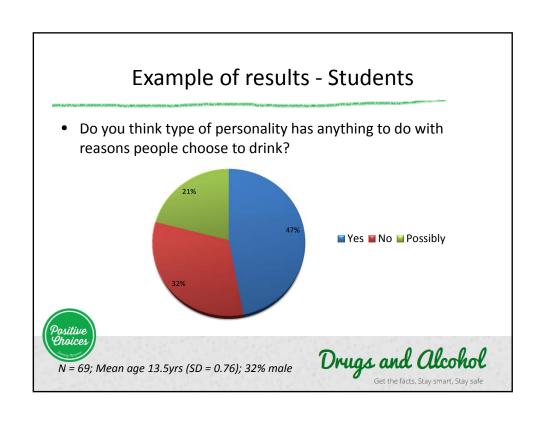
Feedback from focus groups and surveys

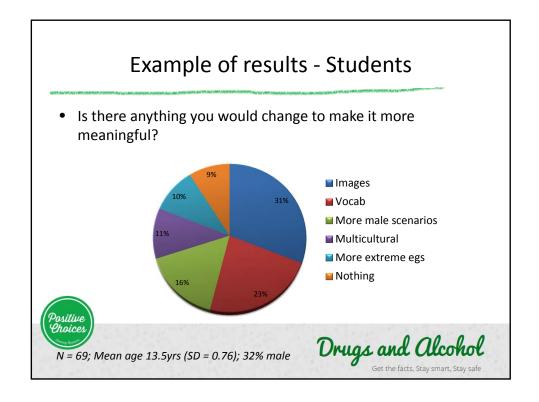
- Students provided good suggestions
 - Scenarios why would you/wouldn't you drink? Personality specific scenarios
 - o Graphics/Vocab general appearance, characters, places, activities, technology
- Teachers/health professionals
 - Indicated the program was already appropriate in terms of learning, educational content, student acceptability, and efficacy
 - Manuals to be updated and made more relevant for Australian adolescents (scenarios, graphics, vocab)

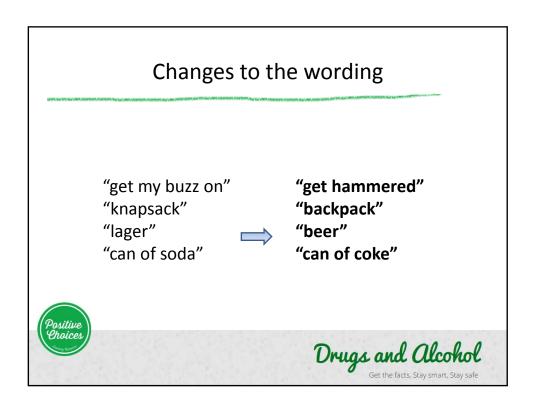




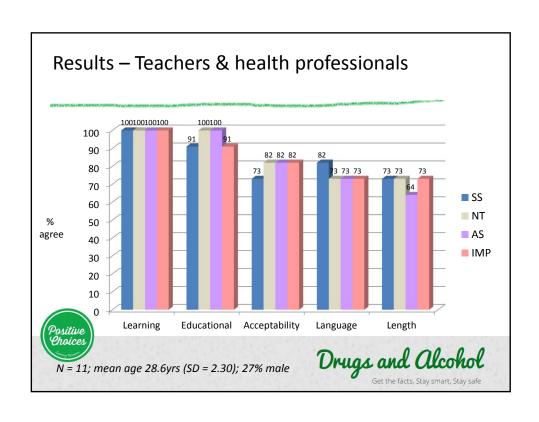












Comments from teachers & health professionals

Learning

- 'Yes, they would understand the concepts and remember them'
- 'Visuals need updating to support the written material'

Educational content

- 'General educational content is appropriate skilling them for scenarios and appropriate actions and behaviours'
- 'Is not too confrontational... sits well for the age level'.

Acceptability

- 'Names and pictures need to be changed/updated... some look too old'
- 'Perhaps add more scenarios that include technology to make it relevant to adolescents (eg. iPhones, internet)'



Comments from teachers & health professionals

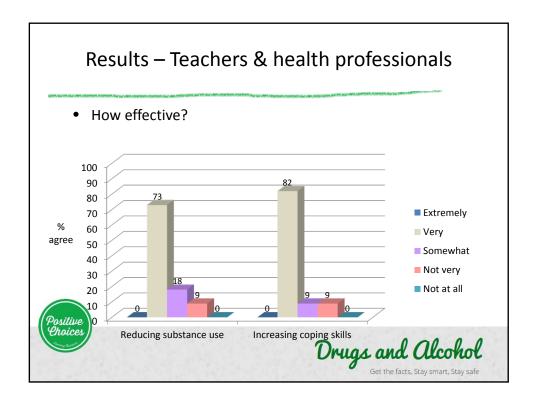
Language

- 'Needs to be more relevant to their age and to Australian adolescents'
- 'The language needs to be updated.. possibly more acronyms would help'

Length

- 'The manuals have a lot of information to cover which could be difficult to get through in an already busy curriculum'
- 'The program is possibly not long enough maybe a booster session later?'
- 'Could be slightly longer, but for the demographic sometimes the shorter the better'





In summary...

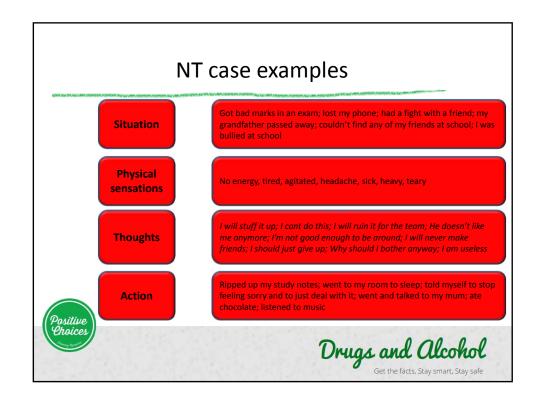
- Teachers & health professionals felt that *Preventure* would be
 effective in reducing substance use and increasing coping skills,
 all agreed the educational content was appropriate and
 students would be able to understand and remember the
 concepts presented. They felt, however, that it needed to be
 updated and made more relevant to the Australian adolescent
 audience.
- So the manuals were updated, in line with the feedback from the students in the focus groups (e.g. appearance, language, scenarios, more multicultural, use of technology in examples)

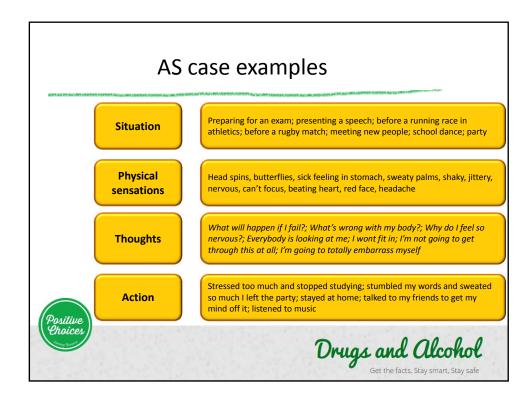


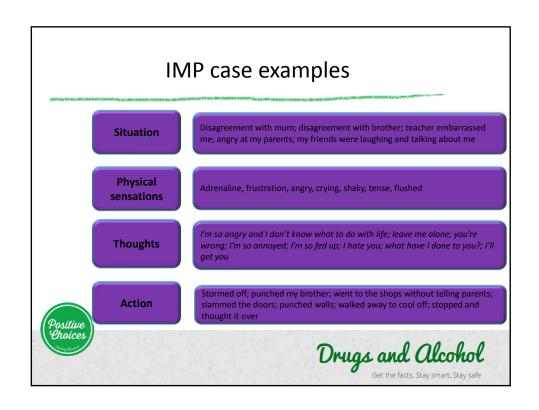
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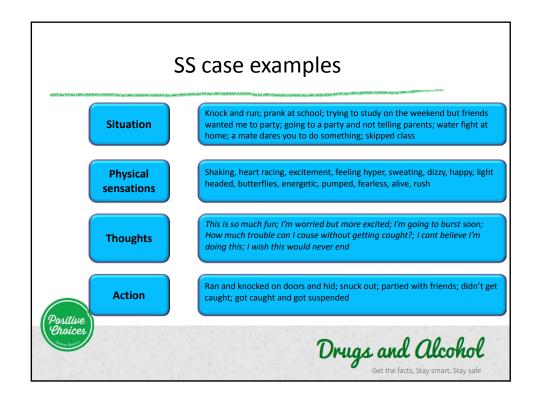
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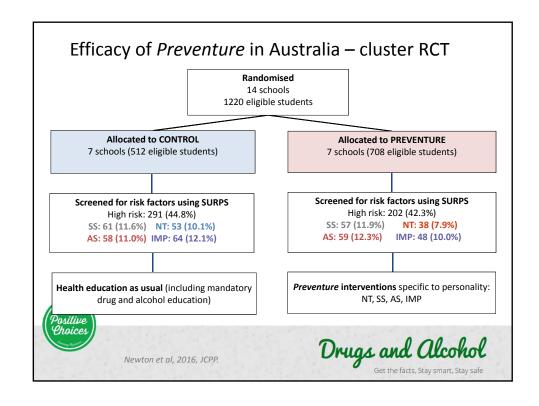




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Methods

Intention to treat sample:

- 438 high-risk adolescents from 14 schools completed baseline
- Mean age: 13.4 years (SD=0.47)

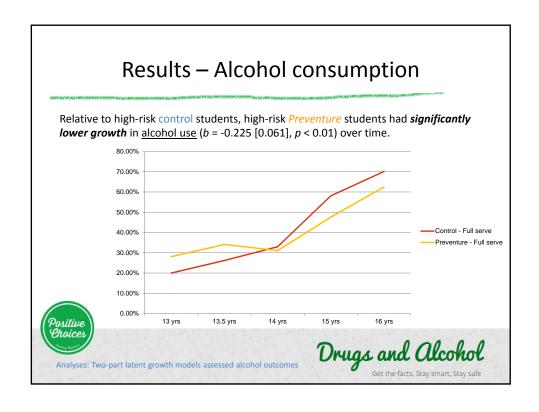
Assessments

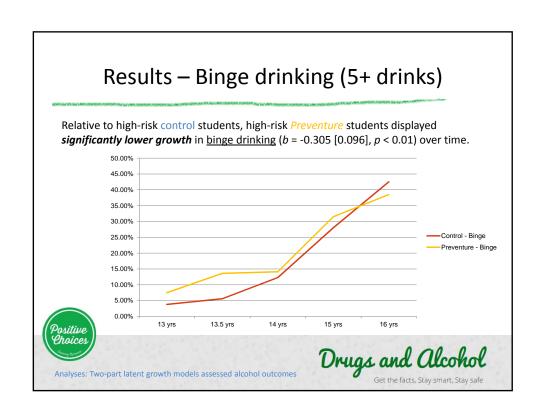
• Five times over three years; Baseline (Yr 8), post-intervention (Yr 8), and 12- (Yr 9), 24- (Yr 10) and 36-mths (Yr 11) post-baseline.

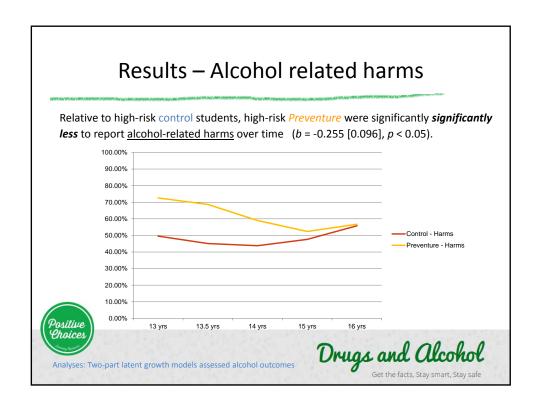
Measures:

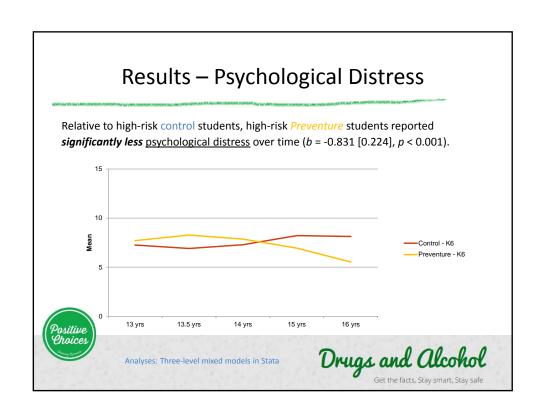
Alcohol use (full serve), binge drinking (5+ standard drinks), alcohol-related harms
(RAPI), symptoms of depression (BSI subscale), anxiety (BSI subscale),
psychological distress (K6), conduct problems (SDQ subscale) and hyperactivity
(SDQ subscale).

Newton et al, 2016, JCPP.









What did the students think?

- What did you like about the sessions?
 - o 'It **opens up a part of our personality** we were unaware of' (Female, IMP)
 - o 'It **helped us reflect** on who we are and what we aim for' (Male, SS)
 - 'We got to understand what anxiety is and how to get rid of the feelings' (Female, AS)
 - o 'It helped me **identify and challenge** my bad thoughts and feelings' (Male, AS)
- What didn't you like about the sessions?
 - o 'It can be uncomfortable talking about personal stories' (Male, AS)
 - o 'Not enough time; maybe needed more sessions a bit rushed' (Male, SS)
 - o 'It takes up lesson time perhaps lunch?' (Female, IMP)





Conclusions

- First study in Australia to support the long-term effectiveness of *Preventure* in:
 - o Slowing the growth of alcohol use & binge drinking
 - o Reducing alcohol-related harms
 - Reducing internalising & externalising problems
- Results consistent with trials in UK & Canada (Castellanos et al., 2006; Conrod et al., 2006; 2008, 2010; 2011, 2013)
- Need to focus on translation make Preventure available to schools





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To find out more, visit:
www.comorbidity.edu.au
www.positivechoices.org.au



Any questions or comments?



Drugs and AlcoholGet the facts, Stay smart, Stay safe

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