

Title: *Harnessing advances in computer simulation to inform policy and planning to reduce alcohol-related harms*

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Online Resource 1: Summary of data sources and role of expert participants (NSW alcohol model)

Types of content knowledge contributed by multi-disciplinary team	Types of literature and data used
<ul style="list-style-type: none"> • Alcohol and its mechanisms of effect; • Determinants and mediators of alcohol consumption and misuse; • Individual and public health treatments, interventions, programs and their effect; • Current policy contexts and decision processes; • Availability of, and access to, data sources and evidence; • Strengths and limitations of available data sources; • Prioritisation of mechanisms, factors, treatments. 	<p>National and state data, for example:</p> <p>Demographic data from the Australian Bureau of Statistics</p> <p>Administrative datasets from Centre for Epidemiology and Evidence. HealthStats NSW. Sydney: NSW Ministry of Health. Available at: www.healthstats.nsw.gov.au. Accessed [July 2015].</p> <p>Burden of disease data from Begg S, Vos T, Barker B, et al. Burden of disease and injury in Australia, 2003. Cat. no. PHE 82 Canberra: Australian Institute of Health and Welfare http://www.aihw.gov.au/publications/index.cfm/title/10317, 2007.</p> <p>Survey data, for example:</p> <p>Australian Institute of Health and Welfare. National Drug Strategy Household Survey detailed report: 2013. Canberra. Available at: http://www.aihw.gov.au/publication-detail/?id=60129549469 2014.</p> <p>Tindall J, Groombridge D, Wiggers J, et al. Alcohol-related crime in city entertainment precincts: Public perception and experience of alcohol-related crime and support for strategies to reduce such crime. Drug and alcohol review 2015.</p> <p>Longitudinal data, for example:</p> <p>Becker et al 1996, Prediction of risk of liver disease by alcohol intake, sex, and age: A prospective population study. Hepatology Journal 23(5): 1025</p> <p>Accepted formulas, for example:</p> <p>Widmark equation for Blood Alcohol Concentration: Widmark, E.M.P., Principles and Applications of Medicolegal Alcohol Determination, Davis, CA: Biomedical Publications, 1981, pp. 107-108.</p> <p>Well supported theoretical models, for example:</p> <p>Michie S, van Stralen MM, West R. The behaviour change wheel: a new method for characterising and designing behaviour change interventions. Implementation science : IS. 2011;6:42.</p> <p>Systematic reviews and meta-analyses, for example:</p> <p>Corrao et al 2004. A meta-analysis of alcohol consumption and the risk of 15 diseases. Prev Med 38: 613-19</p> <p>Martineau et al. (2013). Population-level interventions to reduce alcohol-related harm: An overview of systematic reviews. Preventive Medicine 2013; 57: 278-296</p> <p>International Center for Alcohol Policies. Determinants of drinking. ICAP Health Issues (Online). Available: http://www.icap.org/linkclick.aspx?fileticket=oHFi97riJos%3d&tabid=243, 2009.</p> <p>Economic data, for example:</p> <p>Donnelly N, Scott L, Poyton S, et al. Estimating the short-term cost of police time spent dealing with alcohol-related crime in NSW. Monograph Series No 25. Tasmania: National Drug Law Enforcement Research Fund; An Initiative of the National Drug Strategy, 2007.</p>