PRICE ELASTICITY OF ALCOHOL DEMAND: AN ANALYSIS USING THE AUSTRALIAN ALCOHOL CONSUMPTION AND PURCHASING SURVEY 2013

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Introduction and Aims: Without understanding the price elasticity of demand, alcohol price based interventions or policies will not be formulated and appraised accurately. This study aims to estimate how changes in alcohol prices affect alcohol demand across different beverages, sectors, drinker types and income levels.

Design and Methods: Tobit analysis is employed to estimate own and cross-price elasticities of alcohol demand among 11 subcategories of beverage in both expenditure share and volume of purchased demand systems using data from the Australian Alcohol Consumption and Purchasing Survey 2013.

Results: The results of Tobit models suggest that demand for nearly all subcategories significantly responds to its own price change, except for mid-strength beer and Ready to Drink spirits (alcopops) in on-premise settings. Demand for on-premise beer and bottle wine are both significantly and negatively affected by the price of off-premise beer and off-premise bottled wine. Also, the demand for off-premise regular beer and off-premise cask wine were more strongly affected by price than other beverages. The price elasticities analyses also suggested that harmful drinkers and lower income groups were more price responsive than moderate drinkers and higher income groups.

Discussion and Conclusions: Our findings suggest that alcohol price policies, such as increasing alcohol taxes, introducing a minimum unit price or banning price-based alcohol promotions, can reduce alcohol demand. Price appears to be particularly effective for reducing consumption among harmful drinkers and lower income drinkers, which means price policies are likely to be effective at reducing alcohol-related harms as well as consumption.

Disclosure of Interest Statement: The funding source for the data set used in this article is the Australian National Preventive Health Agency (ANPHA; grant ref 157ROO2011). The contents of this paper are solely the responsibility of the authors and do not reflect the views of ANPHA. HJ and SC's time on this study was funded by the Foundation for Alcohol Research and Education, an independent, charitable organisation working to prevent the harmful use of alcohol in Australia: \url{www.fare.org.au}. ML is the recipient of an NHMRC Early Career Fellowship and RR's position is largely funded by the Victorian Department of Health.