Trajectories of parental and peer supply of alcohol across adolescence and associations with later alcohol drinking and harms: A prospective cohort study

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Introduction and Aims: Parental supply of alcohol to adolescents has been associated with increased alcohol consumption and alcohol-related harms. However, existing studies tend to treat parental supply as a discrete stable state, overlooking time-varying differences in quantity of supply, and ignoring supply from peers. We aimed to identify trajectories of alcohol supply from parents and peers across adolescence and examine supply trajectory as a predictor of subsequent alcohol-related consumption and harms.

Design and Methods: Australian longitudinal survey data (N=1813) were used to model latent trajectories of parent and peer supply to adolescents over five annual follow-ups (Waves 2-6; M_age 13.9 to 17.8 years). Regression models assessed associations between supply trajectories and the following at Wave 7 (M_age =18.8 years): binge drinking; alcohol-related harms; symptoms of alcohol abuse, dependence and alcohol use disorder (AUD).

Results: We identified a five-class solution of parent and peer supply: 1) no/limited supply (n=739, 40.8%); 2) late peer/parent whole drinks (n=419, 23.1%); 3) early parent sips, mid peer/parent whole drinks (n=293, 16.2%); 4) early parent sips, late peer/parent whole drinks (n=254, 14.0%); 5) early peer/parent whole drinks (n=108, 6.0%). Compared to no/limited supply, all other classes showed increased odds of binge drinking, alcohol-related harms and AUD symptoms at 19 years.

Discussion and Conclusions: Earlier supply of whole drinks, particularly from peers, increases risk of adverse alcohol outcomes in early adulthood. Supply of sips in early to mid-adolescence and delaying supply of full serves until late adolescence still represented a greater risk than no supply in adolescence.
Disclosure of Interest Statement: AP has received untied educational grants from Mundipharma and Seqirus for post-marketing surveillance of pharmaceutical opioids. LD has received investigator-initiated untied educational grants for studies of opioid medications in Australia from Indivior, Reckitt Benckiser, Mundipharma and Seqirus. RB has received untied educational grants from Mundipharma and Indivior for studies relating to pharmaceutical opioids. All other authors declare no financial conflicts of interest.