COMMENTARY

ESTABLISHING RATES OF BINGE DRINKING IN THE UK: ANOMALIES IN THE DATA

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Abstract — Aims: Several studies funded by the UK government have been influential in understanding rates of ‘binge drinking’ in the UK. This analysis aims to establish consistency between results and clarify UK rates of binge drinking. Method: The relevant sections of these surveys were compared: the Scottish Health Survey (SHS) 1998, the General Household Survey (GHS) 2002, and the Health Survey for England (HSE) 2003. In addition the methodology used by the Health Protection Agency in the Adult Drinking Patterns in Northern Ireland (2003) was compared with the approach used by the SHS, GHS, and HSE. Results: Marked differences were observed between the results of the GHS 2002 and both the SHS 1998 and the HSE 2002 despite each using a similar methodology, with the HSE 2003 reporting a rate of ‘binge drinking’ in young males of 57%, and the GHS reporting a rate of 35%. This difference may be largely attributed to variations in the criteria in binge drinking in each study. These differences in interpretation do not appear to have been acknowledged. Indeed several key documents on alcohol harm reduction made inaccurate citations of previous surveys. Conclusion: The media rhetoric on escalating rates of binge drinking in the UK should be regarded with caution until trends are based on standardized recording and reporting.

‘Binge drinking’ is a topic of rising media and research interest in the UK, discussed in the context of health and social issues and a target for health education initiatives. However while there is agreement with respect to the need for action, there is less agreement on the definition and the prevalence of binge drinking. Binge drinking is not a new term, but its recent usage has changed. Once, a ‘drinking binge’ in British literature described heavy drinking over a prolonged period, often days, usually by alcohol-dependent drinkers. Now the term binge drinking is often taken to refer to sporadic, short periods of excessive alcohol use (Gmel et al., 2003). However, there remain problems with this definition and the way in which it has been operationalized in UK binge drinking research. This paper identifies two issues that need to be resolved to improve our information base.

The operationalization of binge drinking. An influential series of studies underlying our current understanding of binge drinking in the UK is the General Household Survey (GHS), which comprises an approximately annual, large-scale door-step-based survey. In the 2002 study (Rickards et al., 2004), the results of which are the most recent available, 13248 addresses were selected resulting in 8620 completed interviews from Scotland, England, and Wales. It was found that 21% of men and 10% of woman in Great Britain drank more than 8 or 4 units (male and female, respectively) in one day at least once in the preceding 7 days. The term ‘binge drinking’ is not used anywhere within the GHS 2002 reports: instead these figures are referred to as ‘heavy drinking’. The figures from the GHS 2002 report have since come to be known as the current ‘binge drinking’ rates and cited as such in a number of key publications, including the UK government’s Alcohol Harm Reduction Strategy for England (Cabinet Office, 2004). They are also cited in several UK government publications on the subject of alcohol use and binge drinking including the Statistics on Alcohol Bulletin 2003 (National Statistics, 2003) and several Home Office reports (Engineer et al., 2003; Richardson and Budd, 2003).

Comparing the results of the GHS with similar studies it is apparent that anomalies exist in the research findings. The 2003 Health Survey for England, HSE (Sproston and Primatesa, 2004) used the same methodology and consumption questions as the GHS 2002 on approximately the same sample size, yet produced notably higher rates of binge drinking. This is demonstrated in Fig. 1.

It is unlikely that the large differences between UK surveys in 2002 and 2003 shown in Figure 1 could be all attributed to changes in behaviour. At first glance, the HSE 2003 and the GHS 2002 appear to use the same definition, i.e. 8/6 units. However, the GHS defines heavy or binge drinking as ‘more than 8 or more than 6’ units of alcohol (male and female, respectively) on one occasion; the HSE 2003 on the other hand interprets the definition as ‘8 or more or 6 or more’, i.e. GHS uses a definition of ≥8/≥6 and the HSE uses a definition of ≥8/≥6. These surveys used the same questions about drinking and were conducted in the same country only a year apart. Although differences in sampling might explain some of the discrepancy between the findings of these two surveys, some will be due to the different interpretations of the 8/6 unit definition.

Several UK government studies have mistakenly described the GHS 2002 as using the ≥8/≥6 unit definition. Engineer et al.’s (2003) Home Office study on binge drinking in young adults for example states that ‘One definition that has frequently been used in the UK is men drinking at least eight units or woman drinking at least six units, on at least one day in the past week. This definition has been used in several nationally representative, government funded surveys: the General Household Survey ...’ (emphasis added).

Anomalies and referential mistakes can be found in other UK Reports. The Scottish Executive’s ‘Plan for Action on Alcohol Problems’ (Scottish Executive, 2002) quotes figures from the Scottish Health Survey 1998 (Shaw et al., 2002), a survey similar in methodology and approach to the GHS

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In conclusion the media rhetoric on escalating rates of binge drinking in the UK should be regarded with caution until trends are based on standardized recording and reporting.

REFERENCES


