Does legislation to prevent alcohol sales to drunk individuals work? Measuring the propensity for night-time sales to drunks in a UK city

Karen Hughes, Mark A Bellis, Nicola Leckenby, Zara Quigg, Katherine Hardcastle, Olivia Sharples, David J Llewellyn

ABSTRACT

Background By measuring alcohol retailers’ propensity to illegally sell alcohol to young people who appear highly intoxicated, we examine whether UK legislation is effective at preventing health harms resulting from drunk individuals continuing to access alcohol.

Methods 73 randomly selected pubs, bars and nightclubs in a city in North West England were subjected to an alcohol purchase test by pseudo-drunk actors. Observers recorded venue characteristics to identify poorly managed and problematic (PMP) bars.

Results 83.6% of purchase attempts resulted in a sale of alcohol to a pseudo-intoxicated actor. Alcohol sales increased with the number of PMP markers bars had, yet even in those with no markers, 66.7% of purchase attempts resulted in a sale. Bar servers often recognised signs of drunkenness in actors, but still served them. In 18% of alcohol sales, servers attempted to up-sell by suggesting actors purchase double rather than single vodkas.

Conclusions UK law preventing sales of alcohol to drunks is routinely broken in nightlife environments, yet prosecutions are rare. Nightlife drunkenness places enormous burdens on health and health services. Preventing alcohol sales to drunks should be a public health priority, while policy failures on issues, such as alcohol pricing, are revisited.

INTRODUCTION

Alcohol is a leading risk factor for burden of disease globally, and the single leading risk factor in young people. In the UK, alcohol is attributed to more than one in five deaths in those aged 16–24 years. Around two million presentations to English emergency departments (ED) annually are alcohol-related, with patients most likely to be young males, contributing to a service nearing collapse. While much of the health harms in young people are accounted for by acute conditions, such as road traffic injury, suicide and violence, they are also increasingly affected by chronic alcohol-related conditions such as liver disease. Such increases in alcohol-related mortality and morbidity in younger adults are overshadowing health gains made elsewhere (eg, cervical screening), yet despite this, public health calls for stronger legislation to curb deaths, injury and illness from alcohol repeatedly lose out to the interests of industry. Thus, the introduction of a minimum alcohol unit price for England has been withdrawn despite evidence it would reduce premature mortality and antisocial behaviour. Instead, government has called on local authorities and public services to use existing powers and voluntary agreements with industry to reduce alcohol-related harms.

As statutory partners in reducing crime and disorder and responsible authorities under licensing legislation, public health professionals are well placed to drive local action to prevent alcohol-related harm. Moreover, an existing legal power has the potential to reduce drunkenness and its health impacts. UK law prohibits sale of alcohol to anyone already drunk, yet, convictions for this are extremely rare (three in 2010). While alcohol retailers insist that sales to drunks do not occur, 70% of ED attendances between midnight and 5:00 being alcohol-related suggests otherwise. The impacts of inebriation on those in ED are manifest. However, other consequences, such as domestic violence, child maltreatment and unintentional injuries, occurring when individuals return home, are frequently unrecorded.

Studies outside the UK have tested bar server propensity to over-serve alcohol and used findings to drive enforcement activity, raise server standards and reduce sales to drunk individuals. Here, we examine whether servers in UK bars sell alcohol to people showing clear signs of intoxication, and consider implications for policy and practice.

METHODS

The study took place in a city centre in North West England. Four student actors (two male, two female, aged 20–22 years) were recruited through an audition process and trained on acting drunk. Young adult actors were used as test purchasers due to this demographic being the most common users of city centre nightlife environments. A standard act ensuring a pseudo-intoxicated alcohol purchase attempt was developed and tested with police (who are legally able to act as expert witnesses for determining drunkenness). The act ensured that a very high level of intoxication was portrayed through key indicators (eg, slurred speech, unsteadiness on feet, difficulty focusing) and that sufficient interaction occurred between actors and bar servers to allow these indicators to be observed.

Venues subjected to alcohol purchase test (n=73) were randomly selected from all (n=317) city centre pubs, bars and nightclubs. Proportionate allocation sampling was used with venues stratified by permitted operating hours (latest closing times through licensing conditions: < midnight, 9%; midnight–< 2:00, 23%; 2:00–< 4:00 36%, 4:00 or later 33%). Venues no longer operating were
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replaced from the same strata. Alcohol purchase attempts were made by two actors and observed by two researchers (May 2013, Wednesday–Sunday nights, 21:00–3:00). Researchers entered venues first to surreptitiously observe purchase attempts and venue characteristics. One actor took the role of the ‘drunk’ and the other a ‘sober’ friend. The pseudo-drunk actor stumbled to the bar with the support of the sober friend and using loud, slurred speech asked the price of a vodka and coke. Upon receipt of the price, they fumbled over their purse/wallet and asked for the drink. Actors left the venue immediately if service was refused or shortly after service where this occurred, leaving the drink behind. Observers left a few minutes later. Observers and actors then completed structured observational schedules detailing venue characteristics (eg, crowding, noise levels, presence of door staff) and, for actors, aspects of the alcohol purchase attempt (included in this analysis: service refusal tactics, description of purchase attempt). Observational measures of venue characteristics were drawn from an established tool developed by Graham et al17 and used in previous studies of bar environments.17–19

Analysis was undertaken in SPSS (V20) using χ² and analysis of variance (ANOVA). To examine relationships between alcohol purchase attempt outcomes and bar characteristics, 10 established markers of poorly managed and problematic (PMP) bars17 were drawn from observational data: low levels of seating, cheap alcohol promotions, young bar servers, young clients, high noise levels, crowding, poor lighting, rowdiness, dirtiness and customer intoxication (see table 1). χ² Analysis identified that these variables were significantly correlated with each other. Thus, the latter six were all significantly related to each other; noise, rowdiness and customer intoxication were also associated with young bar servers; crowding was associated with young clients; and young bar servers and young clients were associated with alcohol promotions. Thus, dichotomised variables were summed into a PMP score for each venue. Ethical approval was obtained from Liverpool John Moores University, and the study adhered to the Declaration of Helsinki.

RESULTS

Of the 73 purchase attempts, 61 resulted in a sale of alcohol to a pseudo-drunk actor (83.6%; table 1). Service rates were always high, ranging from 60.0% on Wednesdays to 94.1% on Fridays, and from 78.4% served before midnight to 95.5% after midnight. Day and time differences were not significant (p=0.242, p=0.072, respectively). There were no differences in service outcomes by gender of the pseudo-drunk actor or gender mix of the actor pair. Across the 10 markers of PMP examined, only greater seating provision and older bar staff (most ≥25 years) were individually associated with decreased service to pseudo-drunk actors. However, service rates increased with PMP score. Thus 66.7% of bars with no PMP markers served alcohol to actors rising to 100% of bars with ≥8 (table 1). Pseudo-drunk actors were also more likely to be served in bars with door supervisors (95.1% served, v 68.8% in bars without door supervisors, p=0.003). Most sales occurred without hesitation, despite actors’ notes suggesting that servers often recognised drunkenness (see box). Service refusal typically occurred through direct refusal statements (eg, ‘sorry, you’re too drunk’) with other techniques, including use of caring statements, gaining support from other staff, or simply ignoring the actor (see box). Critically, in 18% of alcohol sales, actors’ notes indicated that the bar server attempted to up-sell the actor a double rather than single vodka.

<table>
<thead>
<tr>
<th>Table 1</th>
<th>Service rates to pseudo-drunk actors in venues with and without markers of poorly managed and problematic (PMP) bars</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMP markers*</td>
<td>n</td>
</tr>
<tr>
<td>Low seating</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>26</td>
</tr>
<tr>
<td>Cheap drink promotions</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>34</td>
</tr>
<tr>
<td>Young bar staff</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>33</td>
</tr>
<tr>
<td>Young customers</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>14</td>
</tr>
<tr>
<td>Noisy bar</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>26</td>
</tr>
<tr>
<td>Crowded bar</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>16</td>
</tr>
<tr>
<td>Poor lighting</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>11</td>
</tr>
<tr>
<td>Rowdy bar</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>19</td>
</tr>
<tr>
<td>Dirty bar</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>20</td>
</tr>
<tr>
<td>Drunk customers</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>21</td>
</tr>
<tr>
<td>Number of PMP markers</td>
<td>None</td>
</tr>
<tr>
<td>1 or 2</td>
<td>26</td>
</tr>
<tr>
<td>3 or 4</td>
<td>10</td>
</tr>
<tr>
<td>5–7</td>
<td>16</td>
</tr>
<tr>
<td>8–10</td>
<td>5</td>
</tr>
</tbody>
</table>

*PMP, poorly managed and problematic bars: Low seating, <50% venue floor area with seating; young bar staff, ≥50% appear <age 25; young customers, most appear <age 25; noisy bar, crowded bar, poor lighting, dirty bar, rowdy bar, drunk customers, ratings of five or above on scales of 0 to 9 grading the presence of the marker (eg, noisy bar; 0=very quiet/easy to talk, 9=hurts ears/cannot talk).17

DISCUSSION

Alcohol purchase attempts by pseudo-drunk actors in UK bars suggest that the law preventing sale of alcohol to drunks is routinely broken. Over four in five purchase attempts resulted in an alcohol sale despite actors portraying signs of overt drunkenness and bar servers often recognising such signs. Alcohol sales to pseudo-drunk actors increased with number of PMP markers observed in bars, yet even in bars with no such markers, two-thirds of purchase attempts resulted in a sale. Continued provision of alcohol to drunks will increase risks of acute and long-term health and social harms, and consequently, the burdens these place on public services and society.

Although our study focused on one city, a lack of prosecutions for sales to drunks throughout England suggests this is typical of nightlife environments nationally. Across the country, police and licensing authorities work closely with bars to improve standards, yet with the principle objective of reducing
Box Sample extracts from actors’ notes on exchanges with bar servers:

Incidents resulting in bar service

- Bar tender rolled his eyes when he saw me swaying but he still served me.
- Bar tender asked “are you sure you’re okay for this?” then served me.
- When bar tender was serving my drink the other bar tender said “You serving her? Look at her eyes”—he said “well, I’ve poured it now”.
- Asked for a drink. They only served doubles. Bar tender said “have you been drinking elsewhere tonight?” I said “yeah” and he said “OK, I’ll give you one but no more tonight, you’ve had enough”.
- Even with [actor’s] head on the bar and slurring his words, there was no hesitation for sale. In fact the barman offered him a double.

Incidents resulting in service refusal

- Bar tender touched my arm and said “sorry love, you’ve had a little too much to drink”.
- He asked me if I’d had enough and then went on to say “I don’t want you to fall down the stairs”. Then as I was leaving he said “be careful and watch out for the step”.
- Bar tender poured drink, discussed with another bar maid then said “sorry mate, you’re too drunk”.
- I was asked if I would stay awake to drink the drink and was then told to leave.
- Server said “Can’t serve you honey, would you like a glass of water?”

the antisocial behaviour associated with drunkenness rather than drunkenness itself. While the health consequences of extreme intoxication are unambiguous, local authorities may be concerned that moves to reduce nightlife alcohol use will damage local night-time economies along with convivial relationships with bars. Equally, with such widespread disregard for the law, police may consider the task of identifying and prosecuting drunken sales overwhelming. However, in other countries, illegal alcohol sales to drunks have been significantly reduced through combined enforcement and awareness-raising based on findings from studies such as this. Importantly, just a few prosecutions for selling alcohol to drunks in an area could change the norm of flouting the law.

While servers cannot be prosecuted for selling alcohol to people who are only pretending to be drunk, test purchasing is just one mechanism that can identify bars where illegal sales occur in order to target preventative measures. Such measures include issuing venues with notices warning that they are being observed for breaches of licensing legislation and mandatory staff training to develop service refusal policies and skills. Our finding that venues with door supervisors were more likely to serve alcohol to drunks may reflect confusion among staff about who is responsible for controlling service to drunks, with bar servers believing that individuals permitted into the bar have already been deemed appropriate for service. Ensuring bar servers are aware of their legal responsibilities and the consequences that sales of alcohol to drunks can impose on them personally is crucial. While our study has focused on sales of alcohol to drunks in bars, such sales are also likely to occur in off-licensed premises and the extent of such illicit sales requires examination. Underage alcohol sales, however, have been studied previously and test purchasing is now routinely carried out by authorities across the UK. Here, campaigns such as Challenge 25 have supported alcohol servers in on-licensed and off-licensed alcohol outlets to uphold the law. Such campaigns use highly visible signage (eg, posters, badges for staff) transmitting the message that underage sales are not permitted, and that staff will ask any individual appearing under age 25 for proof of age. Similar schemes could be used to raise awareness of laws against sales to drunks, transmit the message that such sales will not be permitted, and provide a mechanism to support staff in service refusal.

Recent policy discussions in the UK and elsewhere have focused on alcohol pricing, with problems of nightlife drunkenness compounded by the consumption of cheap off-licensed alcohol before nights out. Sales of alcohol to drunks in bars are likely to contribute to such preloading, as they permit individuals who arrive in town and city centres drunk to continue to access alcohol. Effective enforcement of legislation preventing sales of alcohol to drunks, combined with awareness-raising that drunks will not get served, could reduce preloading, and shift social norms away from drunkenness in nightlife settings. In turn, reducing the prevalence of heavy intoxication in nightlife could have major benefits in opening up nightlife to individuals of all ages and beliefs, including those who do not want to socialise in an environment where being drunk is the norm.

While debate on the need for new legislation to reduce alcohol harms continues, more could be done to better enforce existing laws. Leaving the alcohol industry to self-regulate is unlikely to be effective, as a single bar in an area still prepared to serve drunks would benefit from those rejected by compliant bars. Moreover, enforcing no alcohol sales to drunks would impact most heavily on the biggest consumers with nearly 80% of alcohol consumed by the 30% heaviest drinkers nationally. For the same reason, however, it is a highly targeted health measure that would specifically impact on heavy drinkers that get drunk. Any impacts on moderate social drinkers may, in fact, be beneficial; while not changing their drinking behaviours, the reduced presence of heavily intoxicated individuals in nightlife would help reduce moderate drinkers’ exposure to the collateral damage caused by drunks. Moreover, reducing attendances at EDs and other health services resulting from drunkenness should improve access for others patients and help alleviate increasing service pressures. Health professionals have been instrumental in instigating change in nightlife management elsewhere (eg, smoking bans, safer glassware). Here also, stopping sales of alcohol to drunks requires advocacy from health professionals who routinely see the damage severe intoxication causes to drunks and those hurt through their actions.

What is already known on this subject?

Drunkenness is rife in nightlife environments in the UK, and the health and social harms linked to such intoxication place major burdens on individual health, public services and broader society. Despite service of alcohol to people who are drunk being illegal, prosecutions are rare. Studies outside the UK suggest that measuring propensity for servers to sell alcohol to drunks may be an important precursor to better enforcement of legislation, reducing sales to drunks and ultimately reducing the harms associated with alcohol bingeing.
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What this study adds?

In UK bars, over four in five alcohol purchase attempts by young actors portraying signs of extreme intoxication resulted in a sale of alcohol despite servers often clearly recognising drunkenness. Although service to drunks was more common in poorly managed bars and clubs, it was the norm even in well-managed premises. With policies to prevent alcohol-related harm by increasing alcohol prices failing to be implemented, increased use of legislation preventing sales of alcohol to drunks should be considered a public health priority.

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Contributors

KH directed the study, contributed to fieldwork, analysed the data and coauthored the article. MAB conceptualised the study and coauthored the article. NL and OS contributed to study development, field work and manuscript editing. DL recruited and trained actors, contributed to study development and edited the manuscript.

Competing interests

None.

Ethics approval

Liverpool John Moores University Research Ethics Committee.

Provenance and peer review

Not commissioned; externally peer reviewed.

Data sharing statement

The Centre for Public Health will consider all applications for access to original study data on a case by case basis.

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