Special article
Alcohol in the city: wherever and whenever

Xisca Sureda a,*, Víctor Carreño a, Albert Espelt b,c,d,e, Joan R. Villalbi b,c,e,f,g, Jamie Pearce b, Manuel Franco a,i

a Social and Cardiovascular Epidemiology Research Group, School of Medicine, University of Alcalá, Alcalá de Henares, Madrid, Spain
b Agencia de Salud Pública de Barcelona, Barcelona, Spain
c CIBER de Epidemiología y Salud Pública (CIBERESP), Spain
d Departament de Psicobiologia i Metodologia en Ciències de la Salut, Universitat Autònoma de Barcelona, Cerdanyola del Vallés, Barcelona, Spain
e Institut d’Investigació Biomèdica Sant Pau, Barcelona, Spain
f Departament de Ciències Experimentals i de la Salut, Universitat Pompeu Fabra, Barcelona, Spain
g Grupo de Trabajo sobre Alcohol, Sociedad Española de Epidemiología, Barcelona, Spain
h Centre for Research on Environment Society and Health, School of GeoSciences, University of Edinburgh, Edinburgh, UK
i Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA

A R T I C L E   I N F O
Article history:
Received 8 May 2017
Accepted 9 June 2017
Available online 10 August 2017

Keywords:
Alcohol drinking
Alcohol promotion
Cities
Urban health
Photographs

A B S T R A C T
Alcohol urban environment has been associated with individual alcohol behaviors. We are constantly exposed to a wide variety of alcohol products, its marketing and promotion and signs of alcohol consumption that may influence alcohol-drinking behaviors. In this photo-essay, we include photographs that visually explain the exposure to alcohol in the urban streetscape of Madrid. These photographs show the pervasiveness of alcohol products in this city, which can be found everywhere at any time.

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El alcohol en la ciudad: en todo lugar y momento

R E S U M E N
El entorno urbano del alcohol se ha asociado a su consumo individual. Estamos constantemente expuestos a una amplia variedad de productos con contenido de alcohol, su promoción y signos de consumo, que pueden influir en la normalización del mismo. En este ensayo fotográfico se incluyen imágenes que explican visualmente la exposición al alcohol en el paisaje urbano de Madrid. Estas fotografías muestran la omnipresencia de los productos con contenido de alcohol en esta ciudad, que se puede encontrar en todas partes y en cualquier momento.

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Globally, harmful use of alcohol is responsible for 5.9% of all deaths, and 5.1% of the global burden of disease.1 In Europe, where consumption levels are the highest in the world, 13.3% of deaths can be attributed to alcohol.1 Alcohol consumption has also been connected to a multitude of social issues including suicide, mental health problems, injuries and domestic violence.1

High levels of alcohol consumption and related harm in Europe can be explained by a multitude of environmental factors including the level and effectiveness of alcohol policies (e.g., taxation, promotion and marketing), cultural norms around consumption, and the availability of alcohol products.2-7 In many urban environments in Europe, the marketing, consumption and availability of alcohol have become ubiquitous. The ‘alcogenic’ environments in which we live, study, work and play contribute to the normalization of alcohol drinking, significantly influencing consumption patterns.8,9

We propose a conceptual framework to help understand the ways in which alcohol urban environment relates to alcohol drinking behaviors8 (see online Appendix). The framework emphasizes that availability and accessibility of alcohol, promotion of alcohol, and signs of alcohol consumption would be associated with alcohol drinking behaviors. In this photo-essay, we capture these three domains and show how ubiquitous and normal alcohol is in our urban life (Figs. 1 and 2).

This work is part of the Heart Healthy Hoods Project (https://hhhpjject.eu) studying the associations between the social and physical features of the urban environment and cardiovascular health in the municipality of Madrid,10 the most populated city in Spain, with approximately 3.2 million residents.11 Spain is a Southern European Country, with a yearly average

https://doi.org/10.1016/j.gaceta.2017.06.008
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consumption of 9.5 l of pure alcohol per capita, traditionally part of the wine growing culture, and a major tourist destination.12

The photographs included in this photo-essay examine how alcohol has become entrenched in the urban streetscape of Madrid. We consider the presence of alcohol in different neighborhoods across the city including areas with a large tourist population and dependence on the night time economy. Photographs were taken during different times of the day and days of the week. The photographs depict the presence of alcohol related items within alcohol outlets (Fig. 1) or other public spaces (Fig. 2), including the sides of streets, public squares, playgrounds, parks, and any other open and green spaces. These photographs show the pervasiveness of alcohol products in a city like Madrid, which can be found everywhere at any time, and point to directions to follow for public policies oriented to preventing the harm done by alcohol. More photographs and its description can be found in the online Appendix.
Figure 2. Promotion and signs of alcohol consumption in public spaces, beyond the alcohol retail outlets. A) Although advertising of spirits is prohibited in parts of Spain on public roads, advertisement and sponsorship are frequently used on public spaces. This promotional item covers a whole building and can be perceived from afar. B) The high visibility of alcohol use in the street in terms of people consuming alcohol, the presence of discarded bottles or other containers in the public space indicates the acceptability of alcohol, and suggests poor enforcement of existing alcohol related regulations.

This collection of photographs emphasizes the importance of raising awareness about the normalization and social acceptability of alcohol in our cities. Future studies conducted in different cities across the globe will help understand how the alcohol environment may affect the normalization and harmful use of alcohol. This work will be important in identifying new opportunities for environmental interventions designed to restrict the promotion and supply of alcohol products in our communities, and help to reduce alcohol-related harm in our cities.

**Funding**

This study is part of the Heart Healthy Hoods Project funded by the European Research Council under the European Union’s Seventh Framework Programme (FP7/2007-2013/ERC Starting Grant Heart Healthy Hoods Agreement n. 336893) and the Delegación del Gobierno para el Plan Nacional sobre Drogas (DGPNSD) (2016I047)

**Authorship contributions**

All the authors contributed substantially in the design, execution of this work, and to the interpretation of results. V. Carreño took the photographs. X. Sureda drafted the manuscript, which was critically revised by all authors, who also approved the final version.

**Editor in charge**

Carlos Álvarez-Dardet.
Conflicts of interest

None.

Appendix A. Supplementary data

Supplementary data associated with this article can be found, in the online version, at doi:10.1016/j.gaceta.2017.06.008

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