

- Health Organization ICD-11 gaming disorder proposal. *J Behav Addict* 2017; 6: 267–70.
2. Higuchi S., Nakayama H., Mihara S., Maezono M., Kitayuguchi T., Hashimoto T. Inclusion of gaming disorder criteria in ICD-11: a clinical perspective in favor: commentary on: scholars' open debate paper on the World Health Organization ICD-11 gaming disorder proposal (Aarseth *et al.*). *J Behav Addict* 2017; 6: 293–5.
 3. King D. L., Delfabbro P. H., Potenza M. N., Demetrovics Z., Billieux J., Brand M. Internet gaming disorder should qualify as a mental disorder. *Aust NZ J Psychiatry* 2018; 52: 615–7.
 4. Markey P. M., Ferguson C. J. Internet gaming addiction: disorder or moral panic? *Am J Psychiatry* 2017; 174: 195–6.
 5. Rumpf H., Achab S., Billieux J., Carragher N., Demetrovics Z., Bowden-Jones H., *et al.* Including gaming disorder in ICD-11: the need to do so from a clinical and public health perspective. *J Behav Addict* 2017; 6: 556–61.
 6. van Rooij A. J., Ferguson C. J., Colder Carras M., Kardefelt-Winther D., Shi J., Aarseth E., *et al.* A weak scientific basis for gaming disorder: let us err on the side of caution. *J Behav Addict* 2018; 7: 1–9.
 7. Shaffer H. J., Hall M. N., Bilt J. V. 'Computer addiction': a critical consideration. *Am J Orthopsychiatry* 2000; 70: 162–8.
 8. Wood R. T. Problems with the concept of video game 'addiction': some case study examples. *Int J Ment Health Addict* 2008; 6: 169–78.
 9. Saunders J. B., Hao W., Long J., King D. L., Mann K., Fauth-Bühler M., *et al.* Gaming disorder: its delineation as an important condition for diagnosis, management, and prevention. *J Behav Addict* 2017; 6: 271–9.
 10. Ferguson C. J., Colwell J. Lack of consensus among scholars on the issue of video game 'addiction'. *Psychol Pop Media Cult* 2020; 9: 359–66.
 11. King D. L. Gaming industry response consortium. Comment on the global gaming industry's statement on ICD-11 gaming disorder: a corporate strategy to disregard harm and deflect social responsibility? *Addiction* 2018; 113: 2145–6.
 12. Delfabbro P., King D. L. 'It's concerning', but is it your concern? Objectivity, advocacy and activism in gambling research. *Int Gambl Stud* 2020; 21: 168–179.
 13. Horch J. D., Hodgins D. C. Public stigma of disordered gambling: social distance, dangerousness, and familiarity. *J Soc Clin Psychol* 2008; 27: 505–28.
 14. Peter S. C., Li Q., Pfund R. A., Whelan J. P., Meyers A. W. Public stigma across addictive behaviors: casino gambling, Esports gambling, and internet gaming. *J Gambl Stud* 2019; 35: 247–59.
 15. Sattler S., Escande A., Racine E., Göritz A. S. Public stigma toward people with drug addiction: a factorial survey. *J Stud Alcohol Drugs* 2017; 78: 415–25.
 16. Thege B. K., Colman I., el-Guebaly N., Hodgins D. C., Patten S. B., Schopflocher D., *et al.* Social judgments of behavioral versus substance-related addictions: a population-based study. *Addict Behav* 2015; 42: 24–31.
 17. DePierre J. A., Puhl R. M., Luedicke J. A new stigmatized identity? Comparisons of a 'food addict' label with other stigmatized health conditions. *Basic Appl Soc Psychol* 2013; 35: 10–21.
 18. Latner J. D., Puhl R. M., Murakami J. M., O'Brien K. S. Food addiction as a causal model of obesity. Effects on stigma, blame, and perceived psychopathology. *Appetite* 2014; 77: 79–84.

CALL TO RESTORE FUNDING TO MONITOR YOUTH EXPOSURE TO ALCOHOL ADVERTISING

Even in the face a global pandemic, alcohol persists as a leading contributor to death and disability globally [1–4]. Evidence has accumulated over four decades that alcohol advertising contributes to this public health burden [5,6]. Despite this evidence, governments around the globe have handed responsibility for regulating alcohol advertising to the alcohol companies themselves, which they implement with their own voluntary advertising guidelines [7–9].

There has been a concerted effort in the United States since 2002 to scrutinize the alcohol industry's advertising practices, in particular documenting youth exposure to advertising in different media. Initially funded by private foundations, this work was later authorized by the US Congress as part of the STOP Underage Drinking Act of 2006 [10]. Congress encouraged the Centers for Disease Control and Prevention (CDC) to pick up this monitoring in Appropriations Report language in 2008 and 2010, and the Senate explicitly provided funding for this monitoring beginning in fiscal year 2010 [11,12].

These surveillance efforts yielded an important body of research [13–16]. Further, this body of research produced the world's most comprehensive database of alcohol advertising practices, with more than 4 million records of advertisements placed on television in the United States from 2001 to 2019.

With the publication of 'Evaluation of monitoring youth exposure to alcohol advertising on cable television, United States, 2016–2019' [17], public health professionals and policymakers have the best evidence to date that regular monitoring reports may reduce youth exposure to alcohol advertising. This study found that publication of monitoring reports was associated with a 27.0% decline in youth exposure to all alcohol cable television advertising and a 77.3% decline in youth exposure to advertisements that did not comply with alcohol industry voluntary guidelines.







Despite these results, the CDC inexplicably terminated funding for these monitoring efforts in 2020. The CDC's decision has removed a key component for prevention of underage drinking as recommended by the National Academy of Medicine (formerly the National Research Council of the Institute of Medicine—recommendation 7–3) and incorporated into the National Prevention Strategy [18,19]. Further, by taking this step the CDC destroyed 19 years of advertising research data by terminating the licenses needed to maintain the comprehensive advertising database that was supporting this program of research.

We call upon the CDC to immediately reinstate funding to monitor the advertising practices of the alcohol industry to protect youth from earlier drinking initiation, increased drinking and drinking-related injuries, all of which have all been associated with exposure to alcohol advertising [5,6].

Declaration of interests

None.

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References

- Esser M., Sherker A., Liu Y., Naimi T. S., Stockwell T., Stahre M., *et al.* Deaths and years of potential life lost from excessive alcohol use—United States, 2011–2015. *Morb Mortal Wkly Rep* 2020; **69**: 1428–33.
- Griswold M. G., Fullman N., Hawley C., Arian N., Zimsen S. R. M., Tymeson H. D., *et al.* Alcohol use and burden for 195 countries and territories, 1990–2013; 2016: a systematic analysis for the global burden of disease study 2016. *Lancet* 2018; **392**: 1015–35.
- Rehm J., Kilian C., Ferreira-Borges C., Jernigan D., Monteiro M., Parry C. D. H., *et al.* Alcohol use in times of the COVID

- implications for monitoring and policy. *Drug Alcohol Rev* 2020; **39**: 301–4.
- Sampson L., Ettman C. K., Abdalla S. M., Colyer E., Dukes K., Lane K. J., *et al.* Financial hardship and health risk behavior during COVID-19 in a large US national sample of women. *SSM Popul Health* 2021; **13**: 100734.
- Jernigan D., Noel J., Landon J., Thornton N., Lobstein T. Alcohol marketing and youth alcohol consumption: a systematic review of longitudinal studies published since 2008. *Addiction* 2017; **112**: 7–20.
- Sargent J. D., Babor T. F. The relationship between exposure to alcohol marketing and underage drinking is causal. *J Stud Alcohol Drugs Suppl* 2020; **19**: 113–24.
- Distilled Spirits Council of the United States (DSCUSA) *Code of Responsible Practices for Beverage Alcohol Advertising and Marketing*. Washington, DC: Distilled Spirits Council of the United States; 2011.
- The Beer Institute *Advertising and Marketing Code*. Washington, DC: The Beer Institute; 2016.
- The Wine Institute. *Code of Advertising Standards*. 2011 [7/16/2019]; Available at: <http://www.wineinstitute.org/initiatives/issuesandpolicy/adcode/details> (accessed 19 January 2015).
- Sober Truth on Preventing Underage Drinking (STOP) Act, in HR 864. 2006, Congressional Record: USA. (accessed 15 May 2021).
- 110th Congress 1st Session House of Representatives. Department of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Bill, 2008. Report of the Committee on Appropriations together with Minority and Additional Views (to accompany H.R. 3043). 2007. p. 109. (accessed 15 May 2021).
- 111th Congress. House Report 111–220: Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Bill, 2010 - Centers for Disease Control and Prevention, Disease Control, Research, and Training. 2009–2010. 2010. (accessed 15 May 2021).
- Jernigan D. H., Ostroff J., Ross C. Alcohol advertising and youth: a measured approach. *J Public Health Policy* 2005; **26**: 312–25.
- Ross C., Brewer R., Jernigan D. The potential impact of a 'no-buy' list on youth exposure to alcohol advertising on cable television. *J Stud Alcohol Drugs* 2016; **77**: 7–16.
- Ross C. S., de Bruijn A., Jernigan D. H. Do time restrictions on alcohol advertising reduce youth exposure? *J Public Aff* 2013; **13**: 123–9.
- Ross C. S., Ostroff J., Jernigan D. H. Evidence of targeting of alcohol advertising on television in the United States: lessons from the Lockyer v. Reynolds decisions. *J Public Health Policy* 2014; **35**: 105–18.
- Ross C. S., Henahan E. R., Alger C., White L. F. Evaluation of monitoring youth exposure to alcohol advertising on cable television, United States 2016–19. *Addiction* 2021; <https://doi.org/10.1111/add.15520>.
- Bonnie R. J., O'Connell M. E. *Reducing Underage Drinking: A Collective Responsibility*. National Research Council and Institute of Medicine. Washington, DC: National Academies Press; 2004.
- National Prevention Council *National Prevention Strategy: America's Plan for Better Health and Wellness*. Washington DC: US Department of Health and Human Services; 2011. p. 32.