

# PHS Knowledge Services Gambling Harms Bulletin – June 2025

New evidence and outputs from key organisations relating to gambling harms













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# Contents

Contents	2
About this bulletin	3
Contact	3
Recent journal articles	3
Highlights	3
Marketing and promotion	4
Neuroscience	4
Prevention and intervention	5
Psychology and mental health	6
Miscellaneous	8

#### About this bulletin

This current awareness bulletin contains a selection of material gathered from a search of the evidence base. It is not intended to be comprehensive and has not been critically appraised. Collated by a qualified information professional, the content is selected by informed prioritisation of the search results based upon agreed criteria.

The bulletin is not a substitute for clinical or professional judgement and the information contained within does not supersede national and local NHS policies and protocols.

Journal articles were sourced from MEDLINE, Embase and APA PsycInfo, all on the Ovid platform. Grey literature was sourced from Idox Knowledge Exchange, Policy Commons and a range of relevant websites. For details of resources used and associated search strategies, please contact us using the details below.

### **Contact**

If you need assistance in obtaining the full text of any of the articles, or have any other queries, please contact phs.knowledge@phs.scot.

# Recent journal articles

# **Highlights**

Barone C, Graffigna G. Financial literacy and economic attitudes as protective factors against pathological gambling? A systematic review. Journal of Gambling Studies. 2025;41(2)489–514. https://doi.org/10.1007/s10899-025-10375-1

Chrétien S, Giroux I, Smith I, Jacques C, Ferland F, Sévigny S, et al. Emotional Regulation in Substance-Related and Addictive Disorders Treatment: A Systematic Review. Journal of Gambling Studies. 2025;41(2)353–448.

https://doi.org/10.1007/s10899-024-10366-8

Forman DP, Boughter JR, McAfee NW, Ginley MK, Whelan JP, Pfund RA. Motivational-interviewing-informed interventions for problem gambling and gambling disorder: A systematic review and meta-analysis. Psychology of Addictive Behaviors. 2025;39(4)365–74. https://doi.org/10.1037/adb0001069

Sun A-P, Ho C-H, Kuss DJ, Cross CL. The temporal stability of problematic gaming and gaming disorder: A systematic review and meta-analysis. Addictive behaviors reports. 2025;21100592. https://doi.org/10.1016/j.abrep.2025.100592

Tatar O, Iammatteo V, Brodeur M, Fleury M-J. General Practitioners' Management of Individuals with Gambling Disorder: A Systematic Review of Practices, Knowledge, Attitudes and Beliefs. Journal of Gambling Studies. 2025;

https://doi.org/10.1007/s10899-025-10402-1

Yokomitsu K, Inoue K, Kamimura E, Matsushita S, So R. Effectiveness of Internet-Based Personalized Normative Feedback Among Individuals Experiencing Problem Gambling: Randomized Controlled Trial. Journal of Gambling Studies. 2025;41(2)615–41. https://doi.org/10.1007/s10899-024-10364-w

## Marketing and promotion

Han W, Saunak VV. Bet More - But Only with Me: Role of Celebrity Endorsers in Sports Betting Advertising. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10399-7

Worters T, McKerchar C, Watkins L, Gage R, Signal L. Public health and harmful advertising: The nature and extent of children's real-time exposure to unhealthy commodity marketing. Social Science & Medicine. 2025;375118055.

https://doi.org/10.1016/j.socscimed.2025.118055

#### Neuroscience

Noel JK, Gately KA, Bradford CB, Canadas HA, Rosenthal SR. **Brain Injury and Problem Gambling Among Rhode Island Young Adults**. Rhode Island medical journal (2013). 2025;108(6):28–32

Sasseville B, Giroux I, Olivier F, Moreau A, Chauchard E, Jacques C, et al. Too Aroused to Sleep: The Role of Tilt in Playing Online Poker and First-Person Shooter Games. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10406-x

Sweet A. Neurodiversity and gambling harm: A rapid evidence assessment. Addiction Research & Theory. 2025;

https://doi.org/10.1080/16066359.2025.2523826

#### Prevention and intervention

Aonso-Diego G, García-Pérez Á, Krotter A. Impact of Spanish gambling regulations on online gambling behavior and marketing strategies. Harm reduction journal. 2025;22(1)107. https://doi.org/10.1186/s12954-025-01219-7

Badu E, Crawford G, Hallett J, Leavy JE. Gambling advertising regulation in Ghana: what do we know and where to next? Journal of Public Health Policy. 2025;46(2)433–43. https://doi.org/10.1057/s41271-025-00547-z

Cunningham JA, Hodgins DC, Sharman S, Walker H, Schell C. Pilot randomised trial of a brief online personalised feedback intervention for the UK context designed to prevent, reduce, and address gambling harm. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10401-2

Davis C, Davidson K, Arden-Close E, Bolat E, Panourgia C. Mitigating Gambling-Related Harms in Children and Young People: A Scoping Review of Interventions. Journal of Gambling Studies. 2025;41(2)515–66. https://doi.org/10.1007/s10899-025-10387-x

Gupta H, Tari-Keresztes N, Aanundsen D, Smith JA. "When People Reach Out that is When They're Desperate": Understanding Informal and Formal Help-Seeking Practices for Gambling among Aboriginal Peoples in the Northern Territory, Australia. Journal of Gambling Studies. 2025;41(2)643–62. https://doi.org/10.1007/s10899-024-10371-x

Hawker CO, Merkouris SS, Thomas AC, Rodda SN, Cowlishaw S, Dowling NA. The General Acceptability and Use of Smartphone App-Delivered Interventions for Gambling in Australia. Journal of Gambling Studies. 2025;41(2)593–613. https://doi.org/10.1007/s10899-024-10373-9

Kapukotuwa S, Batra K, Johansen C, Sharma M. Testing the Efficacy of RESPONSIBLEPLAY©: A Multi-Theory Model (MTM)-Based Intervention Protocol for Promoting Responsible Gambling Among College Students. International Journal of Environmental Research and Public Health. 2025;22(6) https://doi.org/10.3390/ijerph22060858

Marionneau V, Kristiansen S, Lindqvist H, Silvennoinen I, Eidem M, Degnepoll LP, et al. For debate: Towards standardised data collection practices for gambling helplines. Nordisk alkohol- & narkotikatidskrift: NAT. 2025;14550725251341788. https://doi.org/10.1177/14550725251341789

Rodda SN, Merkouris SS, Greenwood CJ, Thomas AC, Lubman DI, Dowling NA. Acceptability of the content and functionality of a just-in-time adaptive intervention for gambling problems: a mixed-methods evaluation of gambling habit hacker. Addiction Science & Clinical Practice. 2025;20(1)46. https://doi.org/10.1186/s13722-025-00573-y

## Psychology and mental health

Artemi T-F, Neophytou K, Theodorou M, Theodorou C, Panayiotou G. Emotion (Dys)Regulation Mediates the Link between Psychological Distress and Problem Gambling: Evaluation of the Moderating effect of Gender. European addiction research. 2025; https://doi.org/10.1159/000547094

Choi JM, Lee EJ. Factors Related to Depressive Symptoms in People with Gambling Disorder. Issues in mental health nursing. 2025;1–7. https://doi.org/10.1080/01612840.2025.2514629

Coloma-Carmona A, Carballo JL, Dowling NA. Psychometric validation and measurement invariance of the Brief Situational Confidence Questionnaire for

Gambling (BSCQ-G) in a sample of adult gamblers from the general population. Psychology of Addictive Behaviors. 2025; https://doi.org/10.1037/adb0001076

Cosenza M, Pizzini B, Ciccarelli M, Sacco M, Nigro G. Drivers of adolescent chasing behavior: The role of craving, decision-making, alcohol use, and gambling severity. Addictive Behaviors. 2025;170108414. https://doi.org/10.1016/j.addbeh.2025.108414

Emir E, Akça E, Badau A, Badau D. The dark side of leisure time: analysis of the predictive effects between boredom, internet usage habits, and gambling behaviors. Brain sciences. 2025;15(6) https://doi.org/10.3390/brainsci15060598

He M, Tong KK. The Role of Self-Esteem and Self-Efficacy in Responsible Gambling. Journal of Gambling Studies. 2025;41(2)681–92. https://doi.org/10.1007/s10899-024-10309-3

Kidane A, Karlsson A, Håkansson A. Suicide and attempted suicide in gambling disorder - results from a nationwide case-control study. Psychiatry Research. 2025;348116476. https://doi.org/10.1016/j.psychres.2025.116476

Kotyuk E, Demetrovics Z, Urbán R, Czakó A, Blum K, Griffiths MD, et al. Psychometric properties of the Reward Deficiency Syndrome Questionnaire among a non-clinical sample and its relationship with the characteristics of potentially addictive behaviors. Addictive behaviors reports. 2025;21100598.

https://doi.org/10.1016/j.abrep.2025.100598

Lewi A, Bonnaire C. Mediating effect of perceived personal luck in the relationship between narcissism and problem gambling in strategic gamblers: an exploratory study. Journal of Gambling Studies. 2025;41(2)805–19.

https://doi.org/10.1007/s10899-024-10360-0

Mancini VO, Brett JD, Heirene RM, Fisher K, Nevill TP, Mitrou F. Predicting problem gambling in young men: the impact of sports gambling frequency and internalizing symptoms. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10403-0

Monson A, James RJE, Wootton RE, Newall P. Illusion of control or passive superstition? A comparison of two explanations for irrational gambling beliefs.

Psychology of Addictive Behaviors. 2025;39(4)389–96.

https://doi.org/10.1037/adb0001036

Muto H, Nakai R, Murai T, Yoshikawa S, Abe N. Baccarat gamblers follow trends rather than adhere to the gambler's fallacy: Analyses of field data from a casino. Acta Psychologica. 2025;258105172. https://doi.org/10.1016/j.actpsy.2025.105172

Peixoto M, Dores A, Monteiro M, Marques A, Barbosa F. Executive Function in Gambling Disorder: A Meta-analysis on Neuropsychological Evidence. Journal of Gambling Studies. 2025;41(2)449–88. https://doi.org/10.1007/s10899-025-10383-1

Sinclair ES-LL, Punia K, Tabri N, Balodis IM, Kim HS. Who Engages in Simultaneous Gambling and Alcohol Use, and Why? A Mixed-Method Study. Journal of Gambling Studies. 2025;41(2)857–76. https://doi.org/10.1007/s10899-025-10378-y

Turner NE, AlMakadma Y, Christensen DR. The Profiles of People who Do not Engage in Positive Play while Gambling. Journal of Gambling Studies. 2025;41(2)735–51. https://doi.org/10.1007/s10899-025-10384-0

Wulfert E, Wemm SE, Broussard JD. Betting on change: An analysis of cognitive motivational behavior therapy versus referral to gamblers anonymous for gambling disorder. Psychology of Addictive Behaviors. 2025;39(4)375–88. https://doi.org/10.1037/adb0001063

Zhu J, Katahira K, Hirakawa M, Nakao T. Internally Formed Preferences for Options only Influence Initial Decisions in Gambling Tasks, while the Gambling Outcomes do not Alter these Preferences. Journal of Gambling Studies. 2025;41(2)789–803. https://doi.org/10.1007/s10899-024-10326-2

#### **Miscellaneous**

Adabor O. The effect of gambling on saving behaviour in australia. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10409-8

Arshad F, Ferrari MA, Murch WS, Cherkasova MV, Limbrick-Oldfield EH, Winstanley CA, et al. Effects of Audiovisual Cues on Game Immersion during Simulated Slot

Machine Gambling. Journal of Gambling Studies. 2025;

https://doi.org/10.1007/s10899-025-10397-9

Boering P, Jones M, Patel K, Leightley D, Dymond S. A scoping review of routinely collected linked data in research on gambling harm. npj Digital Medicine. 2025;8(1)331. https://doi.org/10.1038/s41746-025-01713-z

Delfabbro P, Parke J, Catania M. Assessing the risk of online gambling products: A replication and validation of behavioural markers of harm using the problem gambling severity index. Journal of Gambling Studies. 2025;41(2)663–80.

https://doi.org/10.1007/s10899-024-10363-x

dos Santos LS, dos Santos JCC. Gambling and adolescents: a public health crisis demanding immediate action. Pediatric Research. 2025;

https://doi.org/10.1038/s41390-025-04196-6

Dowling NA, Wennberg P, Wall H, Molander O. Striving Towards National Lower-Risk Gambling Guidelines: An Empirical Investigation Among a Sample of Swedish Gamblers. Journal of Gambling Studies. 2025;41(2)753–66.

https://doi.org/10.1007/s10899-024-10372-w

Fiedor D, Charvát M, Kovařík F, Frajer J, Aigelová E, Šerý M. Perceived riskiness and problem gambling across different forms of gambling: A focus on "soft" gambling. Journal of Gambling Studies. 2025;41(2)821–39. https://doi.org/10.1007/s10899-024-10370-y

González Díaz K, Lagerlund M, Rostila M, Cisneros Örnberg J. Who is Getting the Message? Sociodemographic Factors and Gambling Behavior Associated with Awareness of the Swedish National Self-Exclusion Registry Spelpaus.se. Journal of Gambling Studies. 2025;41(2)715–33. https://doi.org/10.1007/s10899-024-10357-9

Gooding NB, Sinclair ES-LL, Murch WS, Kim HS, McGrath DS, Hodgins DC.

Correlates of problem gambling in canada: the moderating effect of sex. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10404-z

Gyambibi FA, Appiah-Kubi M. The impact of sports betting shops on crime patterns in ghana. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10400-3

Jääskeläinen P, Kuusisto K. Problematic gambling in municipal social work in Tampere, Finland: Social workers' perceptions of service pathways before the casino opening and the health and social services reform. Nordisk alkohol- & narkotikatidskrift: NAT. 2025;42(3)226–42.

https://doi.org/10.1177/14550725251325032

Lambuth J, Shaygan A, Lostutter TW, Graupensperger S. All my friends are doing it: perceived social norms predict heavier sports betting behavior among young adults. Health education & behavior: the official publication of the Society for Public Health Education. 2025;10901981251350876.

https://doi.org/10.1177/10901981251350877

Lee HJ, Lee G. Pathways to understanding problem gambling among adolescents. BMC Public Health. 2025;25(1)2144. https://doi.org/10.1186/s12889-025-23213-1

Lipinski D, Whelan JP, Stiglets BE, Andersland MD, Ginley MK, Pfund RA. The influence of winning and losing gambling experience on mood state and alcohol cravings. Journal of Gambling Studies. 2025;41(2)841–55.

https://doi.org/10.1007/s10899-024-10367-7

Macía L, Saratxaga I, Álvarez-González A, Iraurgui I, Estévez A. Gambling Disorder and Romantic Relationships: The role of positive communication and emotional dysregulation in couple satisfaction. Journal of Gambling Studies. 2025; https://doi.org/10.1007/s10899-025-10410-1

McPhail A, Whelan JP, Ginley MK, Pfund RA. Relation of cannabis use frequency and gambling behavior in individuals who gamble under the influence of cannabis. Journal of Gambling Studies. 2025;41(2)877–89. https://doi.org/10.1007/s10899-025-10381-3

Montastruc J-L. Gambling disorders and drugs: a disproportionality analysis in the WHO pharmacovigilance database. European Journal of Clinical Pharmacology. 2025; https://doi.org/10.1007/s00228-025-03828-4

Platts C, Lacy-Nichols J. Mapping corporate sponsorship of alcohol and gambling associations: An Australian pilot study. Addiction. 2025;120(6)1156–66. https://doi.org/10.1111/add.16775

Schweitzer K. The hidden health costs associated with legalized sports gambling. The Journal of the American Medical Association. 2025;333(24)2131–3. https://doi.org/10.1001/jama.2025.7676

Stefan N, Schwarzkopf L, Buth S, Meyer G, Bickl AM. How many children have parents with gambling disorder - a Germany-based estimate. BMC Public Health. 2025;25(1)2166. https://doi.org/10.1186/s12889-025-23520-7

Testa G, Ruiz-Iniesta A, García O, Tarragón E, Soriano V, Benedetti E, et al. Cross-jurisdictional factors linked to gambling frequency in adolescents from 28 European countries: a machine learning approach. Psychiatry Research. 2025;351116602. https://doi.org/10.1016/j.psychres.2025.116602

Torrance J, Smith J, Newall P. 'I wouldn't have become addicted to fruit machines if it wasn't for coin pushers': A case report of adolescent coin pusher use leading to lifelong gambling-related harm. Psychiatry Research Case Reports. 2025;4(1)100246. https://doi.org/10.1016/j.psycr.2025.100246

van Schalkwyk MC, Cassidy R. Why do we tolerate the activities of the gambling industry? Future healthcare journal. 2025;12(2)100267.

https://doi.org/10.1016/j.fhj.2025.100267

Wall H, Gripenberg J, Elgan TH. Prevalence and predictors of problem gambling among Swedish male elite football players: a cross-sectional study. BMJ open sport & exercise medicine. 2025;11(2)e002360. https://doi.org/10.1136/bmjsem-2024-002360

Yoshioka T, So R, Noda T, Kido M, Ito C, Nakaya T, et al. Association of gambling activities and modalities with problem gambling in Japan: A nationwide cross-

sectional online survey-based study. Addictive behaviors reports. 2025;21100595. https://doi.org/10.1016/j.abrep.2025.100595

Zhou X, Xie Q, Wang S, Gorowska M, Liao M, Song P, et al. Unequal roles of symptoms in Internet gaming disorder: A network analysis in early adolescence and emerging adulthood. Addictive Behaviors. 2025;170108412.

https://doi.org/10.1016/j.addbeh.2025.108412

Zoraloğlu C, Demetrovics Z, Griffiths MD, Czakó A, Horváth Z, Király O. The Mediating Effect of Gambling Motives between Psychiatric Symptoms, Dissociation, and Problem Gambling Severity. Journal of Gambling Studies. 2025;

https://doi.org/10.1007/s10899-025-10408-9