

Vaping and Tobacco Control Bulletin

Outputs from key organisations and new evidence
relating to e-cigarettes/vaping and tobacco control

November 2024



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Highlights

A selection of publications of particular interest from the last month.

- Adebisi YA, Bafail DA, Oni OE. **Prevalence, demographic, socio-economic, and lifestyle factors associated with cigarette, e-cigarette, and dual use: evidence from the 2017-2021 Scottish Health Survey**. Intern Emerg Med 2024;19:2151–65.
- Kopa-Stojak PN, Pawliczak R. **Disposable electronic cigarettes - chemical composition and health effects of their use. A systematic review**. Toxicol Mech Methods 2024:1–12.
- Scottish Government. **The Scottish Health Survey 2023 - volume 1: main report**. Scottish Government, 12 November 2024.
- Scottish Government. **Vaping and smoking among Scottish adolescents**. Scottish Government, 5 November 2024.

Recent journal articles (from Medline)

A selection of publications from the last month relating to areas of interest relating to vaping and tobacco control. Search criteria are available upon request from Knowledge Services and will be reviewed regularly to consider appropriateness and/or new areas of interest.

The searches are undertaken by PHS Knowledge Services. If you need any help with obtaining the full text of any of the articles, please contact

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Smoking Cessation

- Cropsey KL, Wagner WP, Bontemps A, Hawes E, Pridgen B, Lahti AC, et al. **Effects of in vivo NRT sampling on smoking abstinence and NRT adherence: A randomized clinical trial**. Drug Alcohol Depend 2024;264:112458.

- Fletcher R, Hammant A, Moll C, Souto M, Agrawal S. **The feasibility of a novel national quality improvement programme for tobacco dependency treatment pathways in acute UK hospitals.** Clin Med 2024;25:100263.
- Frings D, Albery IP, Kimber C, Naughton F, Sideropoulos V, Dawkins L. **Change in vaping, smoking and dual-use identities predicts quit success and cigarette usage: A prospective study of people quitting smoking with electronic cigarette support.** Br J Health Psychol 2024;29:877–88.
- de Granda-Orive JI, Alonso-Arroyo A, López-Padilla D, Aleixandre-Benavent R, Solano-Reina S, Riesco-Miranda JA, et al. **Is the nicotine metabolite ratio a useful tool to improve the effectiveness, safety, and adherence to quitting smoking? Systematic review of the literature and meta-analysis.** Expert Rev Respir Med 2024:1–27.
- Hardie I, Green MJ. **Vaping and socioeconomic inequalities in smoking cessation and relapse: a longitudinal analysis of the UK Household Longitudinal Study.** Tob Control 2024;33:e165–72.
- Kaye JT, Kirsch JA, Bolt DM, Kobinsky KH, Vickerman KA, Mullis K, et al. **Tobacco quitline retreatment interventions among adults with socioeconomic disadvantage: A factorial randomized clinical trial.** JAMA Netw Open 2024;7:e2443044.
- Lang AE. **Cytisinicline For E-Cigarette Cessation.** JAMA Intern Med 2024;184:1393.
- Mersha AG, Bryant J, Booth K, Kennedy M. **Evaluating the effectiveness of mailout smoking cessation support: A systematic review and meta-analysis.** Prev Med 2024;189:108162.
- Nadkarni A, Gaikwad L, Sequeira M, Javeri P, Benoy D, Pacheco MG, et al. **Behavioral Interventions for Tobacco Cessation in Low and Middle-Income Countries: A Systematic Review and Meta-analysis.** Nicotine Tob Res 2024.

- Tabbakh T, Mitsopoulos E, Nuss T, Durkin SJ. **Messages about climate, pollution and social justice harms of tobacco as motivators to quit: an untapped communication opportunity?** Tob Control 2024;33:e225–30.
- Talukder S, Lappin JM, Boland VC, Weaver N, McRobbie H, Courtney RJ. **Receipt of the 5As intervention for smoking cessation among people with and without mental health disorders.** J Psychiatr Res 2024;179:1–7.
- Triplette M, Snidarich M, Heffner JL, Omernik B, Ahmed A, Brooks E, et al. **A Community-Engaged Research Study to Inform Tailored Programming for Smoking Cessation and Lung Cancer Screening Among At-Risk LGBTQ+ Elders.** Health Promot Pract 2024:15248399241296100.
- Wei B, Hu X, Wu X. **Expanding the scope: reflections on digital smoking cessation strategies for diverse age groups.** J Med Internet Res 2024;26:e65929.

Tobacco Use and Control

- Adebisi YA, Bafail DA. **Comparing self-rated health among exclusive e-cigarette users and traditional cigarette smokers: an analysis of the Health Survey for England 2019.** Intern Emerg Med 2024.
- Adebisi YA, Bafail DA, Oni OE. **Prevalence, demographic, socio-economic, and lifestyle factors associated with cigarette, e-cigarette, and dual use: evidence from the 2017-2021 Scottish Health Survey.** Intern Emerg Med 2024;19:2151–65.
- Betts JM, Cook JW, Kobinsky KH, Baker TB, Jorenby DE, Piper ME. **Understanding the motivational mechanisms for smoking and vaping among dual users and exclusive smokers.** Drug Alcohol Depend 2024;264:112436.
- Brennan E, Nuss T, Haynes A, Scollo M, Winnall WR, Wakefield M, et al. **Misperceptions about the effectiveness of cutting down and low-rate daily smoking for reducing the risk of tobacco-caused harm.** Nicotine Tob Res 2024.
- Bushi G, Khatib MN, Balaraman AK, Ballal S, Bansal P, Tomar BS, et al. **Prevalence of dual use of combustible tobacco and E-cigarettes among**

pregnant smokers: a systematic review and meta-analysis. BMC Public Health 2024;24:3200.

- Cho A, Lim C, Sun T, Chan G, Gartner C. **The effect of tobacco tax increase on price-minimizing tobacco purchasing behaviours: A systematic review and meta-analysis.** Addiction 2024;119:1923–36.
- Denson RK, Rest EC, Diviak K, Hedeker D, Mermelstein RJ. **“Smoker” and “Vaper” identity in people who use both cigarettes and E-cigarettes: Changes over time and associations with smoking behaviors.** J Addict Dis 2024:1–9.
- Gravely S, Novotny TE, Cummings KM, East KA, Hyland A, Driezen P, et al. **Opposition to banning cigarette filters and the belief that removing filters makes cigarettes much more harmful among adults who smoke: Findings from the 2022 International Tobacco Control Four Country Smoking and Vaping Survey.** Nicotine Tob Res 2024.
- Higgins ST. **Behavior change, health, and health disparities 2024: Smoking and other tobacco use among women and girls.** Prev Med 2024:108155.
- Jackson SE, Beard E, Brown J. **Evaluation of a Regional Tobacco Control Program (Greater Manchester’s Making Smoking History) on Quitting and Smoking in England 2014-2022: A Time-Series Analysis.** Nicotine Tob Res 2024;26:1728–36.
- Küçükali H, Sarper Erdoğan M. **AI for Tobacco Control: Identifying Tobacco-promoting Social Media Content Using Large Language Models.** Nicotine Tob Res 2024.
- Martin-Gall V, Neil A, Macintyre K, Rehman S, Nguyen TP, Harding B, et al. **Tobacco retail availability and smoking-A systematic review and meta-analysis.** Drug Alcohol Rev 2024;43:1718–32.
- Naudé GP, Strickland JC, Berry MS, Dolan SB, Cox DJ, Johnson MW. **Experience with reduced-nicotine cigarettes and whether this decreases smoking and substitution for full-nicotine cigarettes.** J Exp Anal Behav 2024;122:282–96.

- Puljević C, Feulner L, Hobbs M, Erku D, Bonevski B, Segan C, et al. **Tobacco endgame and priority populations: a scoping review**. *Tob Control* 2024;33:e231–9.
- Robinson JD, Cui Y, Kyriotakis G, Engelmann JM, Karam-Hage M, Minnix JA, et al. **Evaluating the human abuse potential of concurrent use of electronic cigarettes and low nicotine cigarettes among adults who smoke**. *Exp Clin Psychopharmacol* 2024.
- Thrasher JF, Hackworth EE, Ferguson SG, Xiong L, Kim M, Yang C-H, et al. **Differential responses to cigarette package labeling alternatives among adults who smoke: results from a randomized trial**. *Nicotine Tob Res* 2024;26:1646–55.
- Valentelyte G, Sheridan A, Kavanagh P, Doyle F, Sorensen J. **Socioeconomic variation in tobacco smoking among the adult population in Ireland**. *Nicotine Tob Res* 2024.
- Valeriani F, Protano C, Pozzoli A, Vitale K, Liguori F, Liguori G, et al. **Does Tobacco Smoking Affect Vaccine-Induced Immune Response? A Systematic Review and Meta-Analysis**. *Vaccines (Basel)* 2024;12.

Vaping and Vaping Harms

- Berridge V, Fairchild AL, Morphett K, Gartner C, Hall W, Bayer R. **E-cigarettes: A framework for comparative history and policy**. *Addiction* 2024;119:1864–70.
- Halvorson MA, Epstein M, Caouette JD, Danzo S, Satchell AK, Oesterle S, et al. **General and specific risk and protective factors for cigarette and electronic nicotine delivery system (ENDS) use**. *Prev Sci* 2024.
- Hartmann-Boyce J, Conde M, Zhitnik E, Chan J, Begh R, Rigotti NA, et al. **Transitions between smoking and vaping: Evidence (or lack thereof) on potential differences by gender and sex**. *Prev Med* 2024;188:107974.
- Jackson SE, Brown J, Kock L, Shahab L. **Prevalence and uptake of vaping among people who have quit smoking: a population study in England, 2013-2024**. *BMC Med* 2024;22:503.

- Klosterhalfen S, Viechtbauer W, Kotz D. **Disposable e-cigarettes: Prevalence of use in Germany from 2016 to 2023 and associated user characteristics.** *Addiction* 2024.
- Kopa-Stojak PN, Pawliczak R. **Disposable electronic cigarettes - chemical composition and health effects of their use. A systematic review.** *Toxicol Mech Methods* 2024:1–12.
- Lang SM, Hoffmann J, Schiffel H. **E -cigarettes and kidney health: current knowledge and future perspectives.** *Int Urol Nephrol* 2024.
- Leigh NJ, Page MK, Jamil H, Goniewicz ML. **Characteristics and ingredients of disposable “Elfbar” e-cigarettes sold in the United States and the United Kingdom.** *Addiction* 2024.
- Magna A, Polisenà N, Polisenà L, Bagnato C, Pacella E, Carnevale R, et al. **The Hidden Dangers: E-Cigarettes, Heated Tobacco, and Their Impact on Oxidative Stress and Atherosclerosis-A Systematic Review and Narrative Synthesis of the Evidence.** *Antioxidants (Basel)* 2024;13.
- Xi Y, Yang L, Burtneß B, Wang H. **Vaping and tumor metastasis: current insights and progress.** *Cancer Metastasis Rev* 2024;44:4.

Young People and Vaping

- Agbonlahor O, Mattingly DT, Hart JL, McLeish AC, Walker KL. **Health Care Provider E-Cigarette-Related Advice and E-Cigarette Harm Perceptions Among Youth.** *Am J Health Promot* 2024:8901171241301971.
- Ahuja N, Kedia S, Ward KD, Jiang Y, Dillon PJ. **Predictors of Adolescents’ Transition Through the Stages of Change for Quitting E-Cigarettes: Findings From the Population Assessment of Tobacco and Health Study.** *Am J Health Promot* 2024;38:1176–87.
- Do EK, Tulsiani S, Koris K, Minter T, Hair EC. **Depression, anxiety, stress, and current e-cigarette use: Results from the Truth Longitudinal Cohort of youth and young adults (2022-2023).** *J Affect Disord* 2024;365:628–33.

- Gaiha SM, Lempert LK, Lin C, Halpern-Felsher B. **E-cigarette access and age verification among adolescents, young adults, and adults.** *Addict Behav* 2024;161:108193.
- Kurdyś-Bykowska P, Kośmider L, Bykowski W, Konwant D, Stencel-Gabriel K. **Epidemiology of Traditional Cigarette and E-Cigarette Use Among Adolescents in Poland: Analysis of Sociodemographic Risk Factors.** *Int J Environ Res Public Health* 2024;21.
- Lee H, Harrell MB, Rao DR. **Psychosocial stressors of adolescents with E-cigarette, or vaping, product-use associated lung injury: A qualitative study.** *Addict Behav* 2024;158:108107.
- McCauley DM, Liu J, Gaiha SM, Halpern-Felsher B. **Products and patterns through which adolescents, young adults, and adults initiate co-use of tobacco and cannabis.** *Addict Behav* 2024;158:108105.
- Morean ME, Rajeshkumar L, Krishnan-Sarin S. **Development and Psychometric Evaluation of a Novel Measure of Nicotine E-cigarette Withdrawal for Use With Adolescents and Young Adults.** *Nicotine Tob Res* 2024;26:1656–65.
- Parnham JC, Vrinten C, Cheeseman H, Bunce L, Hopkinson NS, Filippidis FT, et al. **Changing awareness and sources of tobacco and e-cigarettes among children and adolescents in Great Britain.** *Tob Control* 2024;33:e199–207.
- Watt E, Bush A, Gardner-Medwin J, Langley RJ. **E-Cigarette Addiction in Adolescents-How Do We Get Them to Stop?** *Pediatr Pulmonol* 2024.

Recent reports and news (grey literature)

A rundown of publications from key public health organisations within the last month.

- Action on Smoking and Health. **Smoking Statistics.** ASH, November 2024
- Public Health Wales. **New vaping regulations welcomed as vape use rises among young people.** Public Health Wales, 5 November 2024.

- Office for Health Improvement and Disparities. **Mandating quit information messages inside tobacco packs: government response**. GOV.UK, 5 November 2024.
- Scottish Government. **Vaping and smoking among Scottish adolescents**. Scottish Government, 5 November 2024.
- Scottish Government. **The Scottish Health Survey 2023 - volume 1: main report**. Scottish Government, 12 November 2024.

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This is not meant as an exhaustive list of publications on these topics for the given time period, but rather a selection as seen most relevant.

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