

Vaping and Tobacco Control Bulletin

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

September 2024



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Contents

Highlights	3
Recent journal articles (from Medline)	3
Recent reports and news (grey literature)	8
Disclaimer	10
Contact	10

Highlights

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

- Awad AA, Itumalla R, Gaidhane AM, Khatib MN, Ballal S, Bansal P, et al. **Association of electronic cigarette use and suicidal behaviors: a systematic review and meta-analysis.** BMC Psychiatry 2024;24:608.
- Davies N, Bogdanovica I, McGill S, Murray RL. **What is the relationship between raising the minimum legal sales age of tobacco above 20 and cigarette smoking? A systematic review.** Nicotine Tob Res 2024.
- Gardner LA, Rowe A-L, Newton NC, Egan L, Hunter E, Devine EK, et al. **A Systematic Review and Meta-analysis of School-Based Preventive Interventions Targeting E-Cigarette Use Among Adolescents.** Prev Sci 2024.
- Yacoub MI, Aslanoğlu A, Khraim F, Alsharawneh A, Abdelkader R, Almagharbeh WT, et al. **Comparing E-Cigarettes and Traditional Cigarettes in Relation to Myocardial Infarction, Arrhythmias, and Sudden Cardiac Death: A Systematic Review and Meta-Analysis.** Biol Res Nurs 2024:10998004241287782.

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

phs.knowledge@phs.scot

Smoking Cessation

- Bello MS, Wang CX, Maglalang DD, Rosales R, Tidey JW, Denlinger-Apte RL, et al. **Racial/ethnic differences in the acute effects of reduced nicotine content cigarettes among adolescents who smoke.** Addict Behav 2024;160:108147.
- Black DS, Ioannidis JPA, Phei Wee C, Kirkpatrick MG. **Sex differences in cigarette smoking following a mindfulness-based cessation randomized controlled trial.** Addict Behav 2024;160:108177.
- Cea CM, Yong H-H, Borland R, Sheffer CE, Nottage MK, Cummings KM. **Does Self-Reported smoking cessation fatigue predict making quit attempts and sustained abstinence among adults who smoke Regularly?** Addict Behav 2024;160:108171.
- Giummo R, Oliver JA, McClernon FJ, Sweitzer MM. **Associations between compliance with very low nicotine content (VLNC) cigarettes, abstinence self-efficacy, and quit outcomes in a pilot smoking cessation trial.** Drug Alcohol Depend 2024;262:111393.
- He WJA, Wang Q, Chan CHH, Luk TT, Wang MP, Chan SCS, et al. **Effectiveness of mobile smoking cessation treatment with 1-week nicotine replacement therapy sampling at outdoor smoking hotspots: A cluster randomized controlled trial.** Addiction 2024.
- Huang R, Hu T. **Cytisinicline For E-Cigarette Cessation.** JAMA Intern Med 2024.
- Lareyre O, Cousson-Gélie F, Pereira B, Stoebner-Delbarre A, Lambert C, Gourlan M. **Effect of a peer-led prevention program (P2P) on smoking in vocational high school students: Results from a two-school-year cluster-randomized trial.** Addiction 2024;119:1616–28.
- Livingstone-Banks J, Lindson N, Hartmann-Boyce J. **Effects of interventions to combat tobacco addiction: Cochrane update of 2021 to 2023 reviews.** Addiction 2024.

- Martínez C, Feliu A, Enriquez M, Antón L, Castellano Y, Company A, et al. **Improving tobacco cessation interventions in hospitals: Pre-post evaluation of an innovative health systems intervention in Catalonia (Spain)**. *Transl Behav Med* 2024;14:549–60.
- Mersha AG, Bryant J, Booth K, Watson L, Kennedy M. **The effectiveness of internet-based group behavioural interventions on lifestyle modifications: A systematic review**. *Prev Med* 2024;186:108099.
- Rahimi F, Massoudifar A, Rahimi R. **Smoking cessation pharmacotherapy; varenicline or bupropion?** *Daru* 2024.
- Spoelstra SK, Schoevers RA, Venema SD, Knegtering H. **Psychedelics as a potential treatment for tobacco use disorder: a systematic review**. *Discov Ment Health* 2024;4:37.
- Spradau JZH, Wheldon CW. **Sexual and gender minority stress as a barrier to cigarette smoking cessation**. *Am J Prev Med* 2024;67:455–7.
- Sun R, Mendez D, Warner KE. **Cigarette Smoking Relapse Among People Who Switched to E-cigarettes or Other Tobacco Products**. *Nicotine Tob Res* 2024.
- Ward E, Belderson P, Clark A, Stirling S, Clark L, Pope I, et al. **How do people quit smoking using e-cigarettes? A mixed-methods exploration of participant smoking pathways following receiving an opportunistic e-cigarette-based smoking cessation intervention**. *Addiction* 2024.
- Weke A, Holmes RD, McColl E, Finch R, Butcher C, Holliday R. **Delivering smoking cessation interventions in NHS primary dental care - lessons from the ENHANCE-D trial**. *Br Dent J* 2024.
- Wu J, Fetterman JL, Cornacchione Ross J, Hong T. **Quitting on TikTok: Effects of Message Themes, Frames, and Sources on Engagement with Vaping Cessation Videos**. *J Health Commun* 2024:1–12.

Tobacco Control

- Burki T. **New developments in tobacco control measures in Europe.** Lancet Oncol 2024.
- Davies N, Bogdanovica I, McGill S, Murray RL. **What is the relationship between raising the minimum legal sales age of tobacco above 20 and cigarette smoking? A systematic review.** Nicotine Tob Res 2024.
- Higgins ST, Sigmon SC, Tidey JW, Heil SH, Gaalema DE, Lee DC, et al. **Reduced Nicotine Cigarettes and E-Cigarettes in High-Risk Populations: 3 Randomized Clinical Trials.** JAMA Netw Open 2024;7:e2431731.
- Lu W, Aarsand R, Schotte K, Han J, Lebedeva E, Tsoy E, et al. **Tobacco and COPD: presenting the World Health Organization (WHO) Tobacco Knowledge Summary.** Respir Res 2024;25:338.
- 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.
- Žarković M, Sommer G, Nigg C, Sláma T, Schneider C, Ansari M, et al. **Parental smoking and respiratory outcomes in young childhood cancer survivors.** Pediatr Blood Cancer 2024:e31310.

Vaping and Vaping Harms

- Agache I, Ricci-Cabello I, Canelo-Aybar C, Annesi-Maesano I, Cecchi L, Biagioni B, et al. **The impact of exposure to tobacco smoke and e-cigarettes on asthma-related outcomes: Systematic review informing the EAACI guidelines on environmental science for allergic diseases and asthma.** Allergy 2024;79:2346–65.
- Allison BJ. **Vaping for two: unravelling the mysteries of E-cigarettes and fetal vascular health.** J Physiol (Lond) 2024;602:4093–4.

- Awad AA, Itumalla R, Gaidhane AM, Khatib MN, Ballal S, Bansal P, et al. **Association of electronic cigarette use and suicidal behaviors: a systematic review and meta-analysis**. BMC Psychiatry 2024;24:608.
- Chong-Silva DC, Sant'Anna M de FBP, Riedi CA, Sant'Anna CC, Ribeiro JD, Vieira LMN, et al. **Electronic cigarettes: “wolves in sheep’s clothing”**. J Pediatr (Rio J) 2024.
- Danielsson T, Bennet H, McColgan B, Wang J. **Effect of nicotine mouth spray on urges to vape: A randomized, placebo-controlled, pharmacodynamic clinical trial in exclusive e-cigarette users**. Addiction 2024.
- Jackson SE, Brown J, Lewer D, Cox S. **Patterns and perceptions of vaping among adults living in social housing: a representative survey in Great Britain, 2023**. BMC Public Health 2024a;24:2572.
- Jackson SE, Squires H, Shahab L, Tattan-Birch H, Buckley C, Purshouse RC, et al. **Associations of close social connections with smoking and vaping: a population study in England**. Nicotine Tob Res 2024b.
- Mills A, Velayutham M, Corbin D, Suter L, Robinson M, Khramtsov VV, et al. **Maternal Use of Electronic Cigarettes and Impact on Offspring: A Double-Hit Model**. J Appl Physiol 2024.
- Schiffman JS. **Vaping-associated illness: a reassessment**. Int J Emerg Med 2024;17:107.
- Tattan-Birch H, Jackson SE, Shahab L, Brown J. **Are people more likely to vape or smoke indoors? A population survey of adults in England**. Nicotine Tob Res 2024;26:1404–11.
- Yacoub MI, Aslanoğlu A, Khraim F, Alsharawneh A, Abdelkader R, Almagharbeh WT, et al. **Comparing E-Cigarettes and Traditional Cigarettes in Relation to Myocardial Infarction, Arrhythmias, and Sudden Cardiac Death: A Systematic Review and Meta-Analysis**. Biol Res Nurs 2024:10998004241287782.

Young People and Vaping

- Arora S, Marti CN, North C, Thomas JE, Harrell MB, Pasch KE, et al. **Depressive symptoms predict cannabis vaping initiation among young adults**. *Drug Alcohol Depend* 2024;262:111397.
- Daisy Dai H. **Time since initiation on current vaping among adolescents and associations with adverse health outcomes**. *Addict Behav* 2024;160:108165.
- Gardner LA, Rowe A-L, Newton NC, Egan L, Hunter E, Devine EK, et al. **A Systematic Review and Meta-analysis of School-Based Preventive Interventions Targeting E-Cigarette Use Among Adolescents**. *Prev Sci* 2024.
- Graham AL, Cha S, Jacobs MA, Amato MS, Funsten AL, Edwards G, et al. **A Vaping Cessation Text Message Program for Adolescent E-Cigarette Users: A Randomized Clinical Trial**. *JAMA* 2024;332:713–21.
- Guerra Castillo C, Hoeft KS, Couch ET, Urata J, Halpern-Felsher B, Chaffee BW. **Adolescents' Experiences and Perceptions of E-Cigarettes and Nicotine Addiction**. *Subst Use Misuse* 2024:1–9.
- Kreslake JM, Aarvig K, Liu MS, Vallone DM, Hair EC. **Pathways to Quitting E-cigarettes Among Youth and Young Adults: Evidence From the truth® Campaign**. *Am J Health Promot* 2024;38:930–7.
- Lee DN, Kim HM, Stevens EM. **How stress influences e-cigarette health message perceptions and intentions to abstain from vaping among young adults who vape**. *Addict Behav* 2024;160:108174.
- Machado-Marques SI, Moyles IR. **Adolescent vaping behaviours: Exploring the dynamics of a social contagion model**. *Math Biosci* 2024;377:109303.
- Michaud TL, Tamrakar N, Samson K, Dai HD. **Decoding Vaping: Empowering Youth through Media Literacy Based E-Cigarette Educational Program**. *Nicotine Tob Res* 2024.

- Nawantara RD, Eva N, Arofah L, Rahayu DS, Allsabab MAH. **FOMO clouds and vapor trails: the invisible toll of E-cigarettes on youth well-being.** J Public Health (Oxf) 2024.
- Ollila H, Tarasenko Y, Ciobanu A, Lebedeva E, Raitasalo K. **Exclusive and dual use of electronic cigarettes among European youth in 32 countries with different regulatory landscapes.** Tob Control 2024;33:622–7.
- Simovic T, Matheson C, Cobb K, Heefner A, Thode C, Colon M, et al. **Young users of electronic cigarettes exhibit reduced cardiorespiratory fitness.** J Appl Physiol 2024;137:569–80.
- Taylor E, East K, Reid JL, Hammond D. **Awareness and use of short-fill e-liquids by youth in England in 2021: findings from the ITC Youth Tobacco and Vaping Survey.** Tob Control 2024;33:684–7.
- Unger JB, Vassey J, Soto DW, Galimov A. **Vaping Devices with Video Games.** Subst Use Misuse 2024:1–2.
- Winickoff JP, Evins AE, Levy S. **Vaping in Youth.** JAMA 2024;332:749–50.

Recent reports and news (grey literature)

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

- Public Health Wales. **Over 10 percent of deaths in Wales due to smoking.** Public Health Wales, 24 September 2024.
- Public Health Wales. **Evidence mixed on effectiveness of smoking cessation interventions for groups with some mental health issues.** Public Health Wales, 27 September 2024.

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All reasonable care is taken to ensure that the information we provide is accurate and we accept no responsibility for the content provided. The information provided is selective; however, the inclusion of a link does not imply approval of the contents of the website.

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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