

Vaping and Tobacco Control Bulletin

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

February 2025



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Highlights

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

- 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 2025;27:369–77.
- Office for Health Improvement and Disparities. **Smoking profile: February 2025 update.** Office for Health Improvement and Disparities, February 2025.
- Caci G, Selya A, La Rosa GRM, Spicuzza L, Morjaria JB, Geraci G, et al. **Respiratory effects of electronic cigarette use in individuals who never smoked: a systematic review.** Clin Med 2025:100295.
- Livingstone-Banks J, Travis N, Conde M, Chen YC, Zi P, Jarman H, et al. **The impacts of e-cigarette flavours: an overview of systematic reviews.** Addiction 2025.

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

Tobacco Use and Control

- Doucet M. **Trading one problem for two: the case against tobacco bans.** *Bioethics* 2025;39:205–12.
- Erik HE, Çoban T, Özcebe LH. **The relationship between gender and women's tobacco use: an ecological analysis with country-level data.** *Thorac Res Pract* 2025;26:61–8.
- Hammond D, Reid JL, Goniewicz ML, McNeill A, O'Connor RJ, Corsetti D, et al. **Biomarkers of toxicant exposure among youth in Canada, England and the United States who vape and/or smoke tobacco or do neither.** *Cancer Epidemiol Biomarkers Prev* 2025.
- Hawkins B, van Schalkwyk MC. **Reputational revival and industry survival: a rhetorical analysis of tobacco industry evidence before a UK parliamentary select committee.** *Soc Sci Med* 2025;368:117782.
- Lahiri S, Bingenheimer JB, Evans WD, Wang Y, Cislighi B, Dubey P, et al. **Understanding the mechanisms of change in social norms around tobacco use: a systematic review and meta-analysis of interventions.** *Addiction* 2025;120:215–35.
- Liu Y, Li L, Chen Z, Ren S, He R, Liang Y, et al. **Relationship between parental smoking and adolescent smoking: gender differences and mediation of resilience.** *BMC Public Health* 2025;25:434.
- Lund L, Andersen S, Bast LS. **Sex-specific trends in patterns of tobacco and nicotine use among young people in Denmark from 2020 to 2023: a multigroup latent class analysis.** *Int J Drug Policy* 2025a;138:104728.
- Odo DB, Ayo-Yusuf O, Dinku Y, Mekonnen AG, Maddox R. **Trends in the prevalence and factors associated with indoor smoking in 24 countries party to the WHO FCTC: implications for equitable policy implementation.** *BMJ Glob Health* 2025;10.

- Poole N, van den Brand FA, Willemsen MC, Nagelhout GE. **Is seeing cigarettes in the retail environment associated with impulse purchases? findings from surveys in disadvantaged and non-disadvantaged neighbourhoods in the Netherlands.** Nicotine Tob Res 2025.
- Stalgaitis CA, Dang S, Warner C, Biggers S, Jackson L, Jordan JW. **Youth tobacco control in the digital age: impact of South Carolina’s youth tobacco education and vaping cessation social media programs.** Int J Environ Res Public Health 2025;22.

Vaping and Vaping Harms

- Ansari SM, Leroy P, deLaBourdonnaye G, Pouly S, Reese L, Haziza C. **Differences in biomarkers of potential harm after 2+ years of tobacco heating system use compared to cigarette smoking: a cross-sectional study.** Biomarkers 2025:1–22.
- Bansal-Travers M, Rivard C, Delnevo CD, Gross A, Anesetti-Rothermel A, Merson B, et al. **Flavor and device choices among people who use ENDS: results from the PATH study.** Am J Prev Med 2025;68:236–44.
- Feng M, Carter CC, Page S, Emery SL, Tran H, Kostygina G. **Tweeted, trolled, twisted: battling for narrative control in E-cigarette use prevention campaigns (2014-2020).** J Health Commun 2025:1–11.
- Heshmati J, Pandey A, Benjamin J, Furqan M, Salman M, Visintini S, et al. **Vaping cessation interventions: a systematic review and meta-analysis.** Tob Control 2025.
- Kieu T, Ma H, Rohde JA, Gottfredson O’Shea N, Hall MG, Brewer NT, et al. **Understanding potential mechanisms of vaping prevention messages: a mediation analysis of the real cost campaign advertisements.** Health Educ Behav 2025;52:102–12.

- Kopa-Stojak PN, Pawliczak R. **The role of sweet/fruit-flavored disposable electronic cigarettes on early nicotine initiation - a systematic review.** BMC Public Health 2025;25:643.
- Kundu A, Feore A, Sanchez S, Abu-Zarour N, Sutton M, Sachdeva K, et al. **Cardiovascular health effects of vaping e-cigarettes: a systematic review and meta-analysis.** Heart 2025.
- McCaffrey S, Shiffman S, Sembower MA, Black RA. **Randomized experimental test of a reduced-exposure message for an e-cigarette: comprehension and related misperceptions.** Health Educ Res 2025;40.
- Mendelsohn CP, Beaglehole R, Borland R, Hall W, Wodak A, Youdan B, et al. **Do the differing vaping and smoking trends in Australia and New Zealand reflect different regulatory policies?** Addiction 2025.
- Shahab L. **Modeling the impact of vaping: what we need to know and which methods to use.** Nicotine Tob Res 2025;27:561–3.
- Shiffman S, Kim S, Goldenson NI, Sembower MA. **Readiness to stop smoking and subsequent switching away to electronic nicotine delivery systems among adults who smoke cigarettes.** Am J Drug Alcohol Abuse 2025b:1–11.
- Shiffman S, Kim S, McCaffrey S. **Randomized experimental test of a reduced-exposure message for an e-cigarette: effects on risk perceptions.** Health Educ Res 2025c;40.
- Shiffman S, Hannon MJ, McCaffrey S. **Randomized experimental test of a reduced-exposure message for an e-cigarette: effects on behavioral intentions and the mediating role of risk perceptions.** Health Educ Res 2025a;40.
- Song C, Hao X, Critselis E, Panagiotakos D. **The impact of electronic cigarette use on Chronic Obstructive Pulmonary Disease: a systematic review and meta-analysis.** Respir Med 2025;239:107985.
- Tattar R, Jackson J, Holliday R. **The impact of e-cigarette use on periodontal health: a systematic review and meta-analysis.** Evid Based Dent 2025.

- Zima K, Bogucka A, Wojtas M, Zabielska-Kaczorowska M. **Immunological effects of electronic cigarette use: a review of current evidence.** Clin Rev Allergy Immunol 2025;68:9.

Young People and Vaping

- Chen Y, Liu S, Cai Y, Liu H, Zhang R, Yang X, et al. **Designing vaping prevention messages for youth: a scoping review protocol.** BMJ Open 2025;15:e089394.
- D'Esterre AP, Tulsiani S, Hair EC, Aseltine M, Yu LQ, Ichimiya M, et al. **Pathway from exposure to an E-cigarette prevention social media campaign to increased quitting intentions: a randomized trial among young adult E-cigarette users.** Int J Environ Res Public Health 2025;22.
- East K, Taylor E, McNeill A, Bakolis I, Taylor AE, Maynard OM, et al. **Perceived harm of vaping relative to smoking and associations with subsequent smoking and vaping behaviors among young adults: evidence from a UK cohort study.** Nicotine Tob Res 2025.
- Gaiha SM, Lempert LK, Lin C, Halpern-Felsher B. **E-cigarette access and age verification among adolescents, young adults, and adults.** Addict Behav 2025;161:108193.
- Guerra Castillo C, Hoeft KS, Couch ET, Halpern-Felsher B, Chaffee BW. **Adolescent perspectives on their E-cigarette initiation experiences.** Am J Health Promot 2025;39:283–90.
- Jebai R, Hong T, Ranker LR, Wu J, Rohila A, Fetterman JL, et al. **Social Media engagement and quit intentions among youth with exclusive E-cigarette use: the moderating role of social norms.** Nicotine Tob Res 2025.
- Kinouani S, Da Cruz H, Simon M, Abraham M, Perret G, Langlois E, et al. **The transition from cigarette smoking to the exclusive or partial use of e-cigarettes: a multi-stage mixed methods study among French university students.** Addict Behav 2025;161:108205.

- Michaud TL, Tamrakar N, Samson K, Dai HD. **Decoding vaping: empowering youth through media literacy based E-cigarette educational program.** *Nicotine Tob Res* 2025;27:475–83.
- Vassey J, Vogel EA, Unger JB, Cho J, Bae D, Donaldson SI, et al. **Impact of Instagram and TikTok influencer marketing on perceptions of E-cigarettes and perceptions of influencers in young adults: a randomised survey-based experiment.** *Tob Control* 2025.
- Vilcassim MJR, Stowe S, Zierold KM. **Perception of health risks of electronic cigarette use among college students: examining the roles of sex, field of study, vaping device type, and their associations.** *J Community Health* 2025;50:23–30.
- Yang A. **The role of messaging and perception in reducing youth vaping.** *Nicotine Tob Res* 2025.

Smoking Cessation

- Abufarsakh B, Seng S, Cline MS, Scarduzio J, Okoli CTC. **Examining the receptivity to tobacco treatment information for individuals living with mental illnesses: a mixed method study.** *Int J Ment Health Nurs* 2025;34:e13445.
- Dhanapriyanka M, Silva RR, Warnakulasuriya S, Jayasekara P, De Silva D, Moraes RR, et al. **Mapping tobacco use cessation counselling awareness in dental offices: a cross-country survey.** *BMC Oral Health* 2025;25:265.
- Kypriotakis G, Cinciripini PM, Green CE, Lawrence D, Anthenelli RM, Minnix JA, et al. **Effects of Varenicline, Bupropion, Nicotine Patch, and placebo on treating smoking among persons with current or past major depressive disorder: secondary analysis of a double-blind, randomized, placebo-controlled trial.** *Am J Psychiatry* 2025;182:174–86.

- Lori A, Patel AV, Westmaas JL, Diver WR. **A novel smoking cessation behavior based on quit attempts may identify new genes associated with long-term abstinence.** *Addict Behav* 2025;161:108192.
- Prayogi F, Laras PB, Pribadi H, Tanod MJ, Utomo P. **E-cigarettes and mental health: a critical examination of their role in smoking cessation programs.** *Gen Hosp Psychiatry* 2025;94:35–6.
- Russell AJ, Shishani K, Hurst S. **The role of the school nurse in E-cigarette prevention and cessation: a scoping review.** *J Sch Nurs* 2025;41:121–9.
- Smith TT, Ferreira A, Wahlquist AE, Cummings KM, Rojewski AM, McClure EA, et al. **A pilot study to test the feasibility of a randomized controlled trial of E-cigarettes as harm reduction tools among people who smoke and previously failed to quit with pharmacotherapy.** *Nicotine Tob Res* 2025;27:553–7.
- Zhao SZ, Chan SK, Luk TT, Tong HSC, Lai VWY, Lam TH, et al. **Older age at smoking initiation predicts successful cessation in adults who smoke: a prospective study.** *Int J Drug Policy* 2025;138:104742.

Recent reports and news (grey literature)

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

- Action on Smoking and Health. **New analysis shows spending to reduce smoking is a good deal for the Chancellor.** ASH, 3 March 2025.

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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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