

Tobacco in Australia

Facts & Issues

Relevant news and research

18B.7 Effects of heated tobacco product use on smoking

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Research:

18B.7 Effects of heated tobacco product use on smoking

Cho YG. Is Using Heated Tobacco Products Helpful in Smoking Cessation? *Korean J Fam Med*, 2023; 44(3):127-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/37225437>

18B.7.1 Effects on smoking behaviours among young people

Lee H and Lee BG. Associations between the Frequency and Quantity of Heated Tobacco Product Use and Smoking Characteristics among Korean Smoking Adolescents. *J Korean Acad Nurs*, 2023; 53(2):155-66. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/37164344>

Matsuyama Y and Tabuchi T. Heated tobacco product use and combustible cigarette smoking relapse/initiation among former/never smokers in Japan: the JASTIS 2019 study with 1-year follow-up. *Tobacco Control*, 2022; 31(4):520-6. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33408121>

Kang SY, Lee S, and Cho HJ. Prevalence and predictors of heated tobacco product use and its relationship with attempts to quit cigarette smoking among Korean adolescents. *Tobacco Control*, 2021; 30(2):192-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32108085>

18B.7.2 Effects on smoking behaviours among adults

Audrain-McGovern, J, Klapac, O, Paul Wileyto, E, & Strasser, AA. (2024). Shifts in motivation to quit cigarette smoking associated with IQOS use. *Addict Behav*, 160, 108178. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39332230>

Audrain-McGovern, J, Wileyto, EP, Klapac, O, Koita, F, & Strasser, AA. (2024). Switching from cigarettes to IQOS: the relative importance of IQOS-associated reward, reinforcement and abstinence relief. *Tob Control*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38871445>

Cruz-Jimenez, L, Barrientos-Gutierrez, I, Vidana-Perez, D, Gallegos-Carrillo, K, Arillo-Santillan, E, Rodriguez-Bolanos, R et al. (2024). Heated tobacco product use frequency, smoking quit attempts, and smoking reduction among Mexican adult smokers. *Tob Induc Dis*, 22. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38813582>

Sugihara, M, & Tabuchi, T. (2024). Three in four smokers want to quit tobacco (reference to reassessing the smoking target in Japan): findings from the JASTIS2021 study. *Environ Health Prev Med*, 29, 28. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38749723>

DeAtley T, Stone MD, Strasser AA, and Audrain-McGovern J. The role of IQOS risk perceptions on cigarette smoking behaviours: results from a prospective pilot study. *Tobacco Control*, 2024; 33(2):263-6. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36002165>

Won D, Jung W, and Shin D. Comparison of the Smoking Cessation of Heated Tobacco Product Users and Conventional Cigarette Smokers in Korea. *Korean J Fam Med*, 2023; 44(3):151-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/37225440>

Seo HG, Xu SS, Li G, Gravely S, Quah ACK, et al. Reasons for Initiation and Regular Use of Heated Tobacco Products among Current and Former Smokers in South Korea: Findings from the 2020 ITC

Korea Survey. *International Journal of Environmental Research and Public Health*, 2023; 20(6). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36981869>

Odani S, Tsuno K, Agaku IT, and Tabuchi T. Heated tobacco products do not help smokers quit or prevent relapse: a longitudinal study in Japan. *Tobacco Control*, 2023. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36849258>

Liber AC, Cadham C, Cummings M, Levy DT, and Pesko M. Poland is not replicating the HTP experience in Japan: a cautionary note. *Tobacco Control*, 2023; 32(4):524-5. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34876532>

Lee JA, Lee C, and Cho HJ. Use of heated tobacco products where their use is prohibited. *Tobacco Control*, 2023; 32(2):146-52. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34257152>

Kale D, Tattan-Birch H, Brown J, Cox S, Dawkins L, et al. Examining acute psychopharmacological effects of nicotine vaping versus heated tobacco products in a randomised crossover study of product naive adult smokers. *Scientific Reports*, 2023; 13(1):22676. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/38114686>

Brett EI, Lee Z, Leavens ELS, Fridberg DJ, and King AC. Cue Reactivity Effects of Heated Tobacco Product Use in Current, Former, and Never Smokers in the United States. *Nicotine & Tobacco Research*, 2023; 25(5):1014-21. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36205373>

Yu H and Lee CM. Comparison of Tobacco Use and Cessation Behavior between Conventional Cigarette and Heated Tobacco Product Users: Based on the Analyses of the Eighth Korea National Health and Nutrition Examination Survey 2019. *Korean J Fam Med*, 2022; 43(5):296-304. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36168901>

Xia W, Li WHC, Luo YH, Liang TN, Ho LLK, et al. The association between heated tobacco product use and cigarette cessation outcomes among youth smokers: A prospective cohort study. *Journal of Substance Abuse Treatment*, 2022; 132:108599. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34419325>

Tattan-Birch H, Hartmann-Boyce J, Kock L, Simonavicius E, Brose L, et al. Heated tobacco products for smoking cessation and reducing smoking prevalence. *Cochrane Database of Systematic Reviews*, 2022; 1(1):CD013790. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34988969>

Stone MD, DeAtley T, Pianin S, Strasser AA, and Audrain-McGovern J. Switching from cigarettes to IQOS: A pilot examination of IQOS-associated reward, reinforcement, and abstinence relief. *Drug and Alcohol Dependence*, 2022; 238:109569. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35841732>

Park J, Kim HJ, Shin SH, Park E, Oh JK, et al. Perceptions of Heated Tobacco Products (HTPs) and Intention to Quit Among Adult Tobacco Users in Korea. *J Epidemiol*, 2022; 32(8):357-62. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33551386>

Nomura A, Ikeda T, Fujimoto T, Morita Y, Taniguchi C, et al. Outcomes of a telemedicine smoking cessation programme for heated tobacco product users in Japan: a retrospective cohort study. *BMJ Open*, 2022; 12(12):e063489. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36600419>

Harada S, Sata M, Matsumoto M, Iida M, Takeuchi A, et al. Changes in smoking habits and behaviors following the introduction and spread of heated tobacco products in Japan and its effect on FEV(1) decline: A longitudinal cohort study. *Journal of Epidemiology*, 2022; 32(4):180-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34657910>

Queloz S and Etter JF. A survey of users of the IQOS tobacco vaporizer: perceived dependence and perceived effects on cigarette withdrawal symptoms. *Journal of Addictive Diseases*, 2021; 39(2):208-14. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33336625>

Luk TT, Weng X, Wu YS, Chan HL, Lau CY, et al. Association of heated tobacco product use with smoking cessation in Chinese cigarette smokers in Hong Kong: a prospective study. *Tobacco Control*, 2021; 30(6):653-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32912861>

Laverty AA, Vardavas CI, and Filippidis FT. Prevalence and reasons for use of Heated Tobacco Products (HTP) in Europe: an analysis of Eurobarometer data in 28 countries. *Lancet Reg Health Eur*, 2021; 8:100159. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34557853>

Kim J, Lee S, Kimm H, Lee JA, Lee CM, et al. Heated tobacco product use and its relationship to quitting combustible cigarettes in Korean adults. *PLoS One*, 2021; 16(5):e0251243. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33961641>

Kanai M, Kanai O, Tabuchi T, and Mio T. Association of heated tobacco product use with tobacco use cessation in a Japanese workplace: a prospective study. *Thorax*, 2021; 76(6):615-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34161920>

Brett EI, Miloslavich K, Vena A, Didier N, and King AC. Effects of Visual Exposure to IQOS Use on Smoking Urge and Behavior. *Tobacco Regulatory Science*, 2021; 7(1):31-45. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/34327281>

Xu SS, Meng G, Yan M, Gravely S, Quah ACK, et al. Reasons for Regularly Using Heated Tobacco Products among Adult Current and Former Smokers in Japan: Finding from 2018 ITC Japan Survey. *International Journal of Environmental Research and Public Health*, 2020; 17(21). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33142757>

Sutanto E, Miller C, Smith DM, Borland R, Hyland A, et al. Concurrent Daily and Non-Daily Use of Heated Tobacco Products with Combustible Cigarettes: Findings from the 2018 ITC Japan Survey. *International Journal of Environmental Research and Public Health*, 2020; 17(6). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32235702>

Stoklosa M, Cahn Z, Liber A, Nargis N, and Drope J. Effect of IQOS introduction on cigarette sales: evidence of decline and replacement. *Tobacco Control*, 2020; 29(4):381-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31209129>

Ryu DH, Park SW, and Hwang JH. Association between Intention to Quit Cigarette Smoking and Use of Heated Tobacco Products: Application of Smoking Intensity Perspective on Heated Tobacco

Product Users. *International Journal of Environmental Research and Public Health*, 2020; 17(22). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33207771>

Lee CM. The Impact of Heated Tobacco Products on Smoking Cessation, Tobacco Use, and Tobacco Sales in South Korea. *Korean J Fam Med*, 2020; 41(5):273-81. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32961046>

Kiyohara K and Tabuchi T. Use of heated tobacco products in smoke-free locations in Japan: the JASTIS 2019 study. *Tobacco Control*, 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/33199542>

Kim SH and Cho HJ. Prevalence and correlates of current use of heated tobacco products among a nationally representative sample of Korean adults: Results from a cross-sectional study. *Tobacco Induced Diseases*, 2020; 18:66. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32818029>

Dunbar MS, Seelam R, Tucker JS, Rodriguez A, Shih RA, et al. Correlates of Awareness and Use of Heated Tobacco Products in a Sample of US Young Adults in 2018-2019. *Nicotine & Tobacco Research*, 2020; 22(12):2178-87. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32047910>

Cummings KM, Nahhas GJ, and Sweanor DT. What Is Accounting for the Rapid Decline in Cigarette Sales in Japan? *International Journal of Environmental Research and Public Health*, 2020; 17(10). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32443663>

Ludicke F, Ansari SM, Lama N, Blanc N, Bosilkovska M, et al. Effects of Switching to a Heat-Not-Burn Tobacco Product on Biologically Relevant Biomarkers to Assess a Candidate Modified Risk Tobacco Product: A Randomized Trial. *Cancer Epidemiology, Biomarkers & Prevention*, 2019; 28(11):1934-43. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31270101>

News:

18B.7 Effects of heated tobacco product use on smoking

18B.7.1 Effects on smoking behaviours among young people

Glantz S. PMI's MRTP Application for IQOS Does Not Consider IQOS's Appeal to Youth or Adolescents. UCSF Center for Tobacco Control, Research and Education. 2017. Available from: <https://tobacco.ucsf.edu/pmi%E2%80%99s-mrtp-application-iqos-does-not-consider-iqos%E2%80%99s-appeal-youth-or-adolescents>.

18B.7.2 Effects on smoking behaviours among adults