

Tobacco in Australia

Facts & Issues

Relevant news and research

5.2 Factors influencing uptake by young people: overview

Last updated December 2024

Research:

Erath, TG, Chen, FF, DeSarno, M, Devine, D, Leventhal, AM, Bickel, WK, & Higgins, ST. (2024). Cumulative Psychosocial and Health Disparities in US Adolescent Cigarette Smoking, 2002 to 2019. *J Natl Cancer Inst.* Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39535862>

Aryee, LNA, Flanagan, SV, Trupe, L, Yucel, M, & Smith, J. (2024). Social norms and social opportunities: a qualitative study of influences on tobacco use among urban adolescent girls in Ghana. *BMC Public Health*, 24(1), 2978. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39468503>

Gangurde, S, Shivale, S, Rathod, H, Verma, P, Madamanchi, D, Mahajan, A. (2024). Exploring the Determinants of Tobacco Usage Among Adolescents: A Cross-Sectional Study in Western Maharashtra. *Cureus*, 16(8), e66755. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39268314>

Malta, DC, Morais, EAH, Silva, AGD, Souza, JB, Gomes, CS, Santos, FMD, & Pereira, CA. (2024). Changes in tobacco use and associated factors among Brazilian adolescents: National Student Health Survey. *Cien Saude Colet*, 29(9), e08252023. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39194109>

Moutawakkil, SG, El-Ammari, A, El Malki, H, Ragala, MEA, El Rhazi, K, & Zarrouq, B. (2024). Prevalence of Tobacco Products' Use and Associated Factors Among Adolescents in Morocco: A Systematic Review. *Subst Use*, 18, 29768357241272370. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39175911>

Seven, F, & Gunay, T. (2024). Tobacco Use Status of Medical Faculty Students and Evaluation of Affecting Factors. *Thorac Res Pract*, 25(3), 110-120. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/39128077>

Altwicker-Hamori, S, Ackermann, KA, Furchheim, P, Dratva, J, Truninger, D, Muller, S, & Wieber, F. (2024). Risk factors for smoking in adolescence: evidence from a cross-sectional survey in Switzerland. *BMC Public Health*, 24(1), 1165. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/38664744>

Joannes, C, Kelly-Irving, M, Couaraze, S, & Castagne, R. (2023). The effect of smoking initiation in adolescence on the subsequent smoking trajectories of people who smoke, and the role of adverse childhood experiences: Results from the 1958 British cohort study. *Public Health Nurs*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37953700>

Birgel, V, Roding, D, Reder, M, Soellner, R, & Walter, U. (2023). Contextual effects of community capacity as a predictor for adolescent alcohol, tobacco, and illicit drug use: A multi-level analysis. *SSM Popul Health*, 24, 101521. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37790085>

Zhao, X, Davey, G, & Wan, X. (2023). Interplay of Depression, Smoking Intention, and Smoking Behavior in Chinese Dai Adolescents. *J Addict Nurs*, 34(3), 211-215. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37669340>

Bataineh, BS, Wilkinson, AV, Sumbe, A, Clendennen, SL, Chen, B, Messiah, SE, & Harrell, MB. (2023). Depressive symptoms and the age of initiation of tobacco and marijuana use among adolescents and young adults. *Drug Alcohol Depend*, 252, 110971. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37757647>

Londani, M, & Oladimeji, O. (2023). Prevalence and Associated Factors of Cigarette Smoking among South African Adolescents and Young Adults: A Systematic Review and Meta-Analysis Protocol. *Methods Protoc*, 6(5). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37736968>

Scully, M, Greenhalgh, E, Bain, E, Wakefield, M, Durkin, S, & White, V. (2023). E-cigarette use and other risk factors associated with tobacco smoking susceptibility among Australian adolescents. *Aust NZ J Public Health*, 100076. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37620243>

Carriedo, A, Cecchini, JA, & Mendez-Gimenez, A. (2023). Factors Influencing the Likelihood of Alcohol and Tobacco Use in Adolescent Athletes: Type of Sport, Age, and Action Tendencies in Sport. *Children (Basel)*, 10(7). Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37508745>

Mehrotra, R, Yadav, K, & Siddiqi, K. (2023). Tobacco Dependence in Adolescents: What Lies Ahead? *Am J Public Health*, 113(8), 859-860. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37406268>

Lakshmi, R, Romate, J, Rajkumar, E, George, AJ, & Wajid, M. (2023). Factors influencing tobacco use behaviour initiation - From the perspective of the Capability, Opportunity, Motivation- Behaviour (COM-B) Model. *Helijon*, 9(6), e16385. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37292260>

Kristjansson, AL, Kogan, SM, Mann, MJ, Smith, ML, Lilly, CL, & James, JE. (2023). Possible role of caffeine in nicotine use onset among early adolescents: Evidence from the Young Mountaineer

Health Study Cohort. *PLoS One*, 18(5), e0285682. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/37167246>

Mazi, A. (2023). Determinants of ever smoking and active smoking among school-aged children in Jeddah. *J Taibah Univ Med Sci*, 18(5), 1124-1137. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/37206189>

Yang, H, Ma, C, Zhao, M, & Xi, B. (2023). Prevalence of and Factors Associated With Tobacco Dependence Among Adolescents Aged 12-16 Years Who Were Currently Smoking Tobacco in 125 Countries or Territories, 2012-2019. *Am J Public Health*, e1-e9 Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/37200604>

Chavan, SS, Pagar, VS, Borde, A, Patil, SP, & Kinge, AD. (2023). An Epidemiological Study of Addictive Behavior Pattern Among Adolescent Tobacco Users. *Int J Prev Med*, 14, 17. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/37033287>

Le, TTT, Issabakhsh, M, Li, Y, Sanchez-Romero, LM, Tan, J, Meza, R et al. (2023). Are the relevant risk factors being adequately captured in empirical studies of smoking initiation? A machine learning analysis based on the Population Assessment of Tobacco and Health study. *Nicotine Tob Res*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/37099744>

Chen, Q, Dai, JN, Chen, XD, Qin, T, Lai, WY, & Wang, Y. (2022). Awareness of hazards due to tobacco among people aged 15 years and older in Chongqing, China, in 2020: A cross-sectional analysis. *Tob Induc Dis*, 20, 112. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/36561423>

Dai, HD, Pierce, J, Beseler, C, Abadi, A, Zoucha, K, Johnson, R et al. (2022). Hierarchical Modeling of Psychosocial, Parental, and Environmental Factors for Susceptibility to Tobacco Product Use in 9-10-Year-Old Children. *J Adolesc Health*. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/36424333>

Sabatier, T, Kousignant, I, Gomajee, R, Barry, K, Melchior, M, & Mary-Krause, M. (2022). Association between Sleep Disturbances During Childhood and Smoking Trajectories During Adulthood: The Longitudinal TEMPO Cohort Study. *Behav Sleep Med*, 1-14. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/36308769>

Fujii, M, Kuwabara, Y, Kinjo, A, Imamoto, A, Jike, M, Otsuka, Y et al. (2021). Trends in the co-use of alcohol and tobacco among Japanese adolescents: periodical nationwide cross-sectional surveys 1996-2017. *BMJ Open*, 11(8), e045063. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/34348945>

Khan, MMA, Rahman, MM, Jesmin, SS, Mustagir, MG, Haque, MR, & Kaikobad, MS. (2021). Correction: Psychosocial and socio-environmental factors associated with adolescents' tobacco and other substance use in Bangladesh. *PLoS One*, 16(6), e0253672. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/34153062>

Khan, MMA, Rahman, MM, Jeamin, SS, Mustagir, MG, Haque, MR, & Kaikobad, MS. (2020). Psychosocial and socio-environmental factors associated with adolescents' tobacco and other substance use in Bangladesh. *PLoS One*, 15(11), e0242872. Retrieved from
<https://www.ncbi.nlm.nih.gov/pubmed/33232381>

Solmi, M, Civardi, S, Corti, R, John, A, Demurtas, J, Lange, S et al. (2020). Risk and protective factors for alcohol and tobacco related disorders: an umbrella review of observational studies. *Neurosci Biobehav Rev*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33248149>

Piola, TS, Pacifico, AB, Campos, JG, Ribeiro, AG, Bacil, ED, da Silva, MP, & Campos, W. (2020). Cell phone use is associated with alcohol and tobacco consumption in insufficiently active adolescents. *J Sports Med Phys Fitness*. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/33092329>

Huggett, SB, Keyes, M, Iacono, WG, McGue, M, Corley, RP, Hewitt, JK, & Stallings, MC. (2019). Age of initiation and transition times to tobacco dependence: Early onset and rapid escalated use increase risk for dependence severity. *Drug Alcohol Depend*, 202, 104-110. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31330330>

Charrier, L, Berchialla, P, Dalmasso, P, Borraccino, A, Lemma, P, & Cavallo, F. (2019). Cigarette Smoking and Multiple Health Risk Behaviors: A Latent Class Regression Model to Identify a Profile of Young Adolescents. *Risk Anal*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30859607>

Cunha, SB, Araujo, RC, Oliveira, JVB, Mola, R, & Pitangui, ACR. (2019). Factors associated with current tobacco use among adolescents and young students. *J Pediatr (Rio J)*. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31028748>

Doku, DT, Acacio-Claro, PJ, Koivusilta, L, & Rimpela, A. (2019). Social determinants of adolescent smoking over three generations. *Scand J Public Health*, 1403494819839854. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30973093>

Kim, EM, Park, E, & Kim, H. (2019). Sex Differences in Multilevel Factors of Smoking Experimentation and Age of Initiation in Korean Adolescents. *J Sch Nurs*, 1059840519840805. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30966858>

Forster, M, Amy, GL, Areba, E, & McMorris, BJ. Cumulative psychosocial risks, internal assets, and past 30-day tobacco use among middle and high school students: The promise of internal assets. *Addict Behav*, 2018. 89, 240-247. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30336446>

Fryer, CS, Seaman, EL, Clark, RS, Plano Clark, VL. Mixed methods research in tobacco control with youth and young adults: A methodological review of current strategies. *PLoS One*. 2017 Aug 25;12(8):e0183471. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28841689>

Peltzer, K, Pengpid, S. Prevalence and determinants of tobacco use among school going adolescents in Cambodia and Vietnam: a cross-sectional study. *J Pak Med Assoc*. 2017 Jul;67(7):1024-1029. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28770880>

Khazaee-Pool, M, Pashaei, T, Koen, P, Jafari, F, Alizadeh, R. Decisional Balance Inventory (DBI) Adolescent Form for Smoking: Psychometric Properties of the Persian Version. *BMC Public Health*. 2017 May 25;17(1):507. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28545471>

Mbongwe, B, Tapera, R, Phaladze, N, Lord, A, Zetola, NM. Predictors of smoking among primary and secondary school students in Botswana. *PLoS One*. 2017 Apr 17;12(4):e0175640. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28414757>

O'Loughlin, J, O'Loughlin, EK, Wellman, RJ, Sylvestre, MP, Dugas, EN, Chagnon, M, Dutczak, H, Lague, J, McGrath, JJ. Predictors of Cigarette Smoking Initiation in Early, Middle, and Late Adolescence. *J Adolesc Health*. 2017 Mar 15. pii: S1054-139X(17)30045-9. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28318910>

Vargas, LS, Lucchese, R, Silva, ACD, Guimaraes, RA, Vera, I, Castro, PA. Determinants of tobacco use by students. *Rev Saude Publica*. 2017 May 4;51:36. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28492760>

Smith, ML, Barry, AE, Merianos, AL. Examining a partial biopsychosocial model for monthly alcohol, tobacco, and marijuana use among adolescents. *Fam Community Health*. 2017 Jan/Mar;40(1):62-71. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27870757>

Kelishadi, R, Heshmat, R, Shahsanai, A, Djalalinia, S, Motlagh, ME, Keikha, M, Ardalan, G, Najafi, F, Khoramdad, M, Asayesh, H, Qorbani, M. Determinants of tobacco and hookah smoking in a Nationally representative sample of Iranian children and adolescents: The CASPIAN-IV study. *Iran Red Crescent Med J*. 2016 Jun 8;18(8):e31099. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27781117>

Wellman, RJ, Dugas, EN, Dutczak, H, O'Loughlin, EK, Datta, GD, Lauzon, B, O'Loughlin, J. Predictors of the onset of cigarette smoking: a systematic review of longitudinal population-based studies in youth. *Am J Prev Med*. 2016 May 11. pii: S0749-3797(16)30094-0. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27180028>

Roberts, ME et al. What predicts early smoking milestones? *Journal of Studies on Alcohol and Drugs*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25785801>

Dunn EC, Richmond TK, Milliren CE, and Subramanian SV. Using cross-classified multilevel models to disentangle school and neighborhood effects: An example focusing on smoking behaviors among adolescents in the United States. *Health Place*, 2015; 31:224-32. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25579227>

Garcia-Rodriguez O, Blanco C, Wall MM, Wang S, Jin CJ, et al. Toward a comprehensive developmental model of smoking initiation and nicotine dependence. *Drug Alcohol Depend*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25262528>

Cheney MK, Oman RF, Vesely SK, Aspy CB, and Tolma EL. Prospective Associations between Negative Life Events and Youth Tobacco Use. *Am J Health Behav*, 2014; 38(6):942-50. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25207519>

Chung SS and Joung KH. Risk Factors for Current Smoking Among American and South Korean Adolescents, 2005-2011. *J Nurs Scholarsh*, 2014. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25224519>

News reports:

Watkins, S, Glantz, SA, Chaffee, BW. Association of noncigarette tobacco product use with future cigarette smoking among youth in the population assessment of tobacco and health (path) study,

2013-2015. JAMA Pediatrics, Feb 2018. Available from:
<http://dx.doi.org/10.1001/jamapediatrics.2017.4173>

Hair, Elizabeth C, Romberg, Alexa R, Niaura, Raymond, Abrams, David B, Bennett, Morgane A, Xiao, Haijun, Rath, Jessica M, Pitzer, Lindsay, Vallone, Donna. Longitudinal Tobacco Use Transitions Among Adolescents and Young Adults: 2014–2016. Nicotine & Tobacco Research, Feb 2018. Available from:
<http://dx.doi.org/10.1093/ntr/ntx285>

Watkins, S, Glantz, SA, Chaffee, BW. Association of noncigarette tobacco product use with future cigarette smoking among youth in the population assessment of tobacco and health (path) study, 2013-2015. JAMA Pediatrics, Feb 2018. Available from:
<http://dx.doi.org/10.1001/jamapediatrics.2017.4173>

Woodward, A. Commentary on Jarvis & Feyerabend (2015): A truly smoke-free upbringing, once rare, is now commonplace. Addiction, 2015. Available from:
<http://onlinelibrary.wiley.com/doi/10.1111/add.13024/full>