

Tobacco in Australia

Facts & Issues

Relevant news and research

4.12 Secondhand smoke and increased risk of infectious disease

Last updated October 2021

Research:

Mendez, AD, Escobar, M, Romero, M, & Wojcicki, JM. (2021). Overcrowding and exposure to secondhand smoke increase risk for COVID-19 infection among Latinx families in the greater San Francisco Bay Area. *Tob Induc Dis*, 19, 79. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34712109>

Garcia, L, Abreu, CCS, Abe, AHM, & Matos, MA. (2021). Reflections on passive smoking and COVID-19. *Rev Assoc Med Bras (1992)*, 67Suppl 1(Suppl 1), 22-25. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/34406293>

Lacoma, A, Edwards, AM, Young, BC, Dominguez, J, Prat, C, & Laabei, M. (2019). Cigarette smoke exposure redirects *Staphylococcus aureus* to a virulence profile associated with persistent infection. *Sci Rep*, 9(1), 10798. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31346202>

Diaz-Abad, M, Malone, L, Ali, L, Pickering, EM, & Sachdeva, A. (2019). Acute eosinophilic pneumonia triggered by secondhand cigarette smoke exposure in an elderly man. *Monaldi Arch Chest Dis*, 89(1). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30968672>

Bai, X, Aerts, SL, Verma, D, Ordway, DJ, Chan, ED. Epidemiologic Evidence of and Potential Mechanisms by Which Second-Hand Smoke Causes Predisposition to Latent and Active Tuberculosis. *Immune Netw*. 2018 Jun 26;18(3):e22. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29984040>

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Wang, B, Huo, W, Lu, Q, Li, Z, Liu, Y, Zhao, D. Passive smoking and influenza-like illness in housewives: A perspective of gene susceptibility. *Chemosphere*. 2017 Jun;176:67-73. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28259080>

Dogar, OF et al. Second-hand smoke and the risk of tuberculosis: a systematic review and a meta-analysis. *Epidemiology and infection*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26118887>

Patra, J et al. Exposure to second-hand smoke and the risk of tuberculosis in children and adults: a systematic review and meta-analysis of 18 observational studies. *PLoS medicine*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26035557>

Suzuki, S et al. Environmental tobacco exposure is associated with vaccine modified measles in junior high school students. *Journal of Medical Virology*, 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25959288>

News reports:

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