Tobacco in Australia Facts & Issues

Relevant news and research

3.0 Introduction

Last updated November 2024

Research:	1
3.0.1 Defining causality	3
News reports:	చ

Research:

Annareddy, S, Ghewade, B, Jadhav, U, Wagh, P, & Sarkar, S. (2024). Unveiling the Long-Term Lung Consequences of Smoking and Tobacco Consumption: A Narrative Review. *Cureus*, *16*(8), e66415. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/39246889

Backman, H. (2024). 10 pack-years of smoking: not the magic number for COPD risk and prognosis. Eur Respir J, 64(3). Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/39266230

Chen, X, Wang, T, Tian, Y, Ma, Y, Liu, Y, Chen, H et al. (2024). Smoking-diseases correlation database: comprehensive analysis of the correlation between smoking and 422 diseases based on NHANES 2013-2018. Front Public Health, 12, 1325856. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/38912260

Perryman, A, & Crotty Alexander, LE. (2024). Through the Looking Glass: Revisiting Smoking and Health. *NEJM Evid*, *3*(3), EVIDe2400020. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/38411446

tobaccoinaustralia.org.au

Varghese, J, & Muntode Gharde, P. (2023). A Comprehensive Review on the Impacts of Smoking on the Health of an Individual. *Cureus*, *15*(10), e46532. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/37927763

Kanithi, M, Junapudi, S, Shah, SI, Matta Reddy, A, Ullah, G & Chidipi, B. (2022). Alterations of Mitochondrial Network by Cigarette Smoking and E-Cigarette Vaping. *Cells*, *11*(10). Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/35613953

Choi, SH, Stommel, M, Broman, C, & Raheb-Rauckis, C. (2022). Age of Smoking Initiation in Relation to Multiple Health Risk Factors among US Adult Smokers: National Health Interview Survey (NHIS) Data (2006-2018). *Behav Med*, 1-8. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/35465849

Zhu, D, Zhao, G, & Wang, X. (2021). Association of Smoking and Smoking Cessation With Overall and Cause-Specific Mortality. *Am J Prev Med*, *60*(4), 504-512. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/33745522

Gouveia, TDS, Trevisan, IB, Santos, CP, Silva, BSA, Ramos, EMC, Proenca, M, & Ramos, D. (2020). Smoking history: relationships with inflammatory markers, metabolic markers, body composition, muscle strength, and cardiopulmonary capacity in current smokers. *J Bras Pneumol, 46*(5), e20180353. Available from: https://www.ncbi.nlm.nih.gov/pubmed/32556029

Adams, TN, & Morris, J. Smoking (Tobacco) *StatPearls*. Treasure Island (FL), 2018. Available from: https://www.ncbi.nlm.nih.gov/pubmed/30725751

Britton J. Death, disease, and tobacco. Lancet, 2017; 389(10082):1861-2. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28390696

Britton J. Death, disease, and tobacco. Lancet, 2017; 389(10082):1861-2. Available from: http://www.ncbi.nlm.nih.gov/pubmed/28390696

Lushniak BD. A historic moment: The 50th anniversary of the first surgeon general's report on smoking and health. Public Health Rep, 2014; 129(1):5-6. Available from: http://www.ncbi.nlm.nih.gov/pubmed/24381353

Charles J, Valenti L, and Britt H. Tobacco smoking. Aust Fam Physician, 2014; 43(6):347. Available from: http://www.ncbi.nlm.nih.gov/pubmed/24897981

Avezov K, Reznick AZ, and Aizenbud D. Time and dose effects of cigarette smoke and acrolein on protein carbonyl formation in hacat keratinocytes. Adv Exp Med Biol, 2014. Available from: http://www.ncbi.nlm.nih.gov/pubmed/25398315

Doll R, Peto R, Wheatly L, Gray R, and Sutherland I. Mortality in relation to smoking: 40 years' observations on male British doctors. British Medical Journal (Clinical Research Ed.), 1994; 309(6959):901–11. Available from: http://www.bmj.com/cgi/content/full/309/6959/901

Doll R and Hill AB. Lung cancer and other causes of death in relation to smoking. A second report on the mortality of British doctors. British Medical Journal, 1956; 2(5001):1071–81. Available from: http://www.pubmedcentral.nih.gov/picrender.fcgi?artid=2035864&blobtype=pdf

Doll R and Hill AB. The mortality of doctors in relation to their smoking habits: A preliminary report. British Medical Journal, 1954; 1(4877):1451–5. Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2085438/

3.0.1 Defining causality

Munafo, MR, Brown, J, Hefler, M, & Davey Smith, G. (2024). Managing the exponential growth of mendelian randomization studies. *Tob Control*, *33*(5), 559-560. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/39313311

Dai, X, Gil, GF, Reitsma, MB, Ahmad, NS, Anderson, JA, Bisignano, C et al. (2022). Health effects associated with smoking: a Burden of Proof study. *Nat Med, 28*(10), 2045-2055. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/36216941

3.0.2 Tobacco—a leading preventable cause of death and disease globally No authors listed. Spatial, temporal, and demographic patterns in prevalence of smoking tobacco

use and attributable disease burden in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. (2021). *Lancet, 397*(10292), 2337-2360. Retrieved from https://pubmed.ncbi.nlm.nih.gov/34051920/

Kulhanova, I, Forman, D, Vignat, J, Espina, C, Brenner, H, Storm, HH et al. (2020). Tobacco-related cancers in Europe: The scale of the epidemic in 2018. *Eur J Cancer*, *139*, 27-36. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/32957011

3.0.3 Tobacco—a leading preventable cause of death and disease in Australia

Davagdorj, K, Pham, VH, Theera-Umpon, N, & Ryu, KH. (2020). XGBoost-Based Framework for Smoking-Induced Noncommunicable Disease Prediction. *Int J Environ Res Public Health, 17*(18). Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/32906777

News reports:

Australian Institute of Health and Welfare. Australian burden of disease study 2015: Fatal burden preliminary estimates Web Report, Canberra: AIHW 2018. Available from: https://www.aihw.gov.au/reports/burden-of-disease/fatal-burden-2015-preliminary-estimates/contents/state-territory.

Australian Institute of Health and Welfare. Aboriginal and Torres Strait islander health performance framework 2017 report: Victoria. Cat. no. IHW 183 Canberra AIHW, 2018. Available from: https://www.aihw.gov.au/reports/indigenous-health-welfare/health-performance-framework-2017-vic/contents/table-of-contents.

Australian Institute of Health and Welfare. Health expenditure Australia 2015–16. Health and welfare expenditure series no. 58, Cat. no. HWE 68.Canberra: AIHW, 2017. Available from:

https://www.aihw.gov.au/reports/health-welfare-expenditure/health-expenditure-australia-2015-16/contents/data-visualisations.

Australian Institute of Health and Welfare. The health of Australia's males. Canberra: AIWH, 2017. Available from: https://www.aihw.gov.au/reports/men-women/male-health/contents/who-are.

Australian Institute of Health and Welfare. Risk factors to health. Canberra: AIHW, 2017. Available from: https://www.aihw.gov.au/reports/biomedical-risk-factors/risk-factors-to-health/contents/risk-factors-and-disease-burden.

Australian Institute of Health and Welfare. Australia's hospitals at a glance 2015–16. Canberra AIHW, 2017. Available from: https://www.aihw.gov.au/getmedia/d4e53b39-4718-4c81-ba90-b412236961c5/21032.pdf.aspx?inline=true.

Australian Institute of Health and Welfare. The health of Australia's females. Canberra: AIHW, 2017. Available from: https://www.aihw.gov.au/reports/men-women/female-health/contents/who-are.

Australian Institute of Health and Welfare. Alcohol and other drug treatment services in australia 2015–16. Drug treatment series no. 29, Cat. no. HSE 187 Canberra: AlHW, 2017. Available from: https://www.aihw.gov.au/reports/alcohol-other-drug-treatment-services/aodts-2015-16/contents/table-of-contents.

Australian institute of Health and Welfare. Young people returning to sentenced youth justice supervision 2015–16. Juvenile justice series no. 21, Cat. no. JUV 104 Canberra: AIHW, 2017. Available from: https://www.aihw.gov.au/reports/youth-justice/young-people-returning-to-sentenced-youth-justice-supervision-2015-16/contents/table-of-contents.

Australian Institute of Health and Welfare. Disability services data cubes. 2017. Available from: https://www.aihw.gov.au/reports/disability-services/disability-services-data-cubes/contents/data-cubes.

Australian Institute of Health and Welfare. National key performance indicators for Aboriginal and Torres Strait Islander primary health care: Results from June 2016. National key performance indicators for Aboriginal and Torres Strait Islander primary health care series no. 4, Cat. no. IHW 177 Canberra: AIHW, 2017. Available from: https://www.aihw.gov.au/reports/indigenous-health-welfare-services/nkpis-indigenous-australians-health-care-2016/contents/table-of-contents.

Australian Institute of Health and Welfare. Emergency department care 2016–17: Australian hospital statistics. Health services series, no. 80 Cat. no: HSE 194.Canberra: AIHW 2017. Available from: https://www.aihw.gov.au/reports/hospitals/emergency-department-care-ahs-2016-17/contents/table-of-contents.

Australian institute of Health and Welfare. Health-adjusted life expectancy in australia: Expected years lived in full health 2011. Australian Burden of Disease Study series no.16. BOD 17, Canberra: AIHW, 2017. Available from: https://www.aihw.gov.au/reports/burden-of-disease/health-adjusted-life-expectancy-australia/contents/table-of-contents.