

# Tobacco in Australia

## Facts & Issues

---

### Relevant news and research

#### 12.7 Additives in Australian cigarettes

*Last updated October 2020*

#### Research:

Du, F, Pan, T, Ji, X, Hu, J, & Ren, T. (2020). Study on the preparation of geranyl acetone and beta-cyclodextrin inclusion complex and its application in cigarette flavoring. *Sci Rep*, 10(1), 12375.

Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/32704066>

Baig, SA, Byron, MJ, Pepper, JK, & Brewer, NT. (2019). Interest in "organic," "natural," and "additive-free" cigarettes after hearing about toxic chemicals in cigarette smoke. *PLoS One*, 14(3), e0212480.

Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30840639>

McEwan, M, Coburn, S, Ghosh, D, Simms, L, Giles, L, Yuki, D et al (2019). Assessment of priority tobacco additives per the requirements of the EU Tobacco Products Directive (2014/40/EU): Part 3, Smoking behavior and plasma nicotine pharmacokinetics. *Regul Toxicol Pharmacol*, 104, 29-38.

Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30822442>

Stabbert, R, Ghosh, D, Clarke, A, Miller, J, Collard, J, Crooks, I et al (2019). Assessment of priority tobacco additives per the requirements in the EU Tobacco Products Directive (2014/40/EU): Part 2: Smoke chemistry and in vitro toxicology. *Regul Toxicol Pharmacol*, 104, 163-199. Available from:

<https://www.ncbi.nlm.nih.gov/pubmed/30858113>

Seidenberg, AB, Jo, CL, & Ribisl, KM. Knowledge and Awareness of Added Sugar in Cigarettes.

Nicotine Tob Res, 2018. Available from: <https://academic.oup.com/ntr/advance-article-abstract/doi/10.1093/ntr/nty217/5133585?redirectedFrom=fulltext>

Ng, HW, Leggett, C, Sakkiah, S, Pan, B, Ye, H, Wu, L, Selvaraj, C, Tong, W, Hong, H. Competitive docking model for prediction of the human nicotinic acetylcholine receptor alpha7 binding of tobacco constituents. *Oncotarget*. 2018 Feb 8;9(24):16899-16916. Available from:

<https://www.ncbi.nlm.nih.gov/pubmed/29682193>

tobaccoinaustralia.org.au

# Tobacco in Australia

## Facts & Issues

---

Benson, NU, Anake, WU, Adedapo, AE, Fred-Ahmadu, OH, Ayejuyo, OO. Toxic metals in cigarettes and human health risk assessment associated with inhalation exposure. *Environ Monit Assess*. 2017 Nov 8;189(12):619. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29119337>

Richter, P, Faroon, O, Pappas, RS. Cadmium and Cadmium/Zinc Ratios and Tobacco-Related Morbidities. *Int J Environ Res Public Health*. 2017 Sep 29;14(10). pii: E1154. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28961214>

Farley, SM, Schroth, KR, Grimshaw, V, Luo, W, DeGagne, JL, Tierney, PA, Kim, K, Pankow, JF. Flavour chemicals in a sample of non-cigarette tobacco products without explicit flavour names sold in New York City in 2015. *Tob Control*, 2017. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28400490>

Reinwand, DA, Crutzen, R, Kienhuis, AS, Talhout, R, de Vries, H. Website Use and Effects of Online Information About Tobacco Additives Among the Dutch General Population: A Randomized Controlled Trial. *J Med Internet Res*. 2017 Mar 14;19(3):e60. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28292739>

Chopyk, J, Chattopadhyay, S, Kulkarni, P, Claye, E, Babik, KR, Reid, MC, Smyth, EM, Hittle, LE, Paulson, JN, Cruz-Cano, R, Pop, M, Buehler, SS, Clark, PI, Sapkota, AR, Mongodin, EF. Mentholation affects the cigarette microbiota by selecting for bacteria resistant to harsh environmental conditions and selecting against potential bacterial pathogens. *Microbiome*. 2017 Feb 15;5(1):22. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28202080>

Courtemanche, CJ, Palmer, MK, Pesko, MF. Influence of the Flavored Cigarette Ban on Adolescent Tobacco Use. *Am J Prev Med*. 2017 Jan 9. pii: S0749-3797(16)30620-1. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28081999>

Ogura, N, Kono, Y, To, M, Mikami, S, Soeda, S, Hara, H, To, Y. Menthol-flavored cigarettes: potentially a strong trigger of acute eosinophilic pneumonia. *Am J Med*. 2017 Feb;130(2):e63-e64. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28117040>

Rizzato, G, Scalabrin, E, Radaelli, M, Capodaglio, G, Piccolo, O. A new exploration of licorice metabolome. *Food Chem*. 2017 Apr 15;221:959-968. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27979300>

tobaccoinaustralia.org.au

# Tobacco in Australia

## Facts & Issues

---

Schauer, GL, Peters, EN, Rosenberry, Z, Kim, H. Trends in and characteristics of marijuana and menthol cigarette use among current cigarette smokers, 2005-2014. *Nicotine Tob Res*, Jan 2017. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28064202>

Van Landingham, C, Fuller, W, Mariano, G, Marano, K, Curtin, G, Sulsky, SI. Stroke risk among menthol versus non-menthol cigarette smokers in the United States: Analysis of the National Health and Nutrition Examination Survey (NHANES). *Regul Toxicol Pharmacol*. 2017 Feb 3;85:64-69. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28163170>

Munafo, M. Understanding the role of additives in tobacco products. *Nicotine Tob Res*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27235702>

van de Nobelen, S et al. An inventory of methods for the assessment of additive increased addictiveness of tobacco products. *Nicotine Tob Res*, 2016. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26817491>

Alpert, HR, Agaku, IT, Connolly, GN. A study of pyrazines in cigarettes and how additives might be used to enhance tobacco addiction. *Tobacco Control*, 2015. Available from: <http://tobaccocontrol.bmj.com/content/early/2015/05/03/tobaccocontrol-2014-051943.full>

### News reports:

Government of Canada. (2018). *Annual Report on Compliance and Enforcement Activities (Tobacco Control), 2014–2015*. Canada Retrieved from <https://www.canada.ca/content/dam/hc-sc/documents/services/publications/healthy-living/annual-report-compliance-enforcement-activities-tobacco-control-2014-2015/tobacco-compliance-enforcement-2015-tabac-conformite-dapplication-2017-01-25-eng.pdf>.

Crist, C. Few smokers know about added sugar in cigarettes. Reuters, 2018. Oct 27, 2018. Available from: <https://www.reuters.com/article/us-health-cigarettes-sugar/few-smokers-know-about-added-sugar-in-cigarettes-idUSKCN1N02UC>

Centers for Disease Control and Prevention. Proposed Data Collection Submitted for Public Comment and Recommendations. *Federal Register*, 2018. Aug 21, 2018. Available from <https://www.federalregister.gov/documents/2018/08/21/2018-17978/proposed-data-collection-submitted-for-public-comment-and-recommendations>

tobaccoinaustralia.org.au

# Tobacco in Australia

## Facts & Issues

---

No authors listed. How Big Tobacco made cigarettes more addictive. Truth Initiative, Jan 2018. Available from: [https://truthinitiative.org/news/how-big-tobacco-made-cigarettes-more-addictive?utm\\_source=Truth+Initiative+Mailing+List&utm\\_campaign=3dcf55dcd5-Newsletter\\_085\\_2018\\_01\\_25&utm\\_medium=email&utm\\_term=0\\_c91fd8a5c5-3dcf55dcd5-86454907](https://truthinitiative.org/news/how-big-tobacco-made-cigarettes-more-addictive?utm_source=Truth+Initiative+Mailing+List&utm_campaign=3dcf55dcd5-Newsletter_085_2018_01_25&utm_medium=email&utm_term=0_c91fd8a5c5-3dcf55dcd5-86454907)

No authors listed. Health Advocacy Groups Join Forces Against Flavored Tobacco. Convenience Store News, 2017. Mar 22, 2017. Available from: <http://www.csnews.com/product-categories/tobacco/health-advocacy-groups-join-forces-against-flavored-tobacco>

Craver, Richard. The Briefcase: American Spirit marketing lawsuit hearing set. Winston-Salem (NC) Journal, 2017. Feb 6, 2017. Available from: [http://www.journalnow.com/business/business\\_news/local/the-briefcase-american-spirit-marketing-lawsuit-hearing-set/article\\_3bd26a2e-af3b-56dc-8f45-6e3ab0c85459.html](http://www.journalnow.com/business/business_news/local/the-briefcase-american-spirit-marketing-lawsuit-hearing-set/article_3bd26a2e-af3b-56dc-8f45-6e3ab0c85459.html)

No authors listed. Compliance policy for required warning statements on small-packaged cigars. Department of Food and Drug Administration, 2017. Available from: <https://www.fda.gov/downloads/TobaccoProducts/Labeling/RulesRegulationsGuidance/UCM536924.pdf>

Alpert, HR, Agaku, IT and Connolly, GN. A study of pyrazines in cigarettes and how additives might be used to enhance tobacco addiction. Tob Control. 2016 Jul;25(4):444-50. Available from: <http://tobaccocontrol.bmj.com/content/25/4/444.full>

Hargett, Robbie. Florida consumer accuses cigarette makers of deceptive labeling. Legal NewsLine, 2016. May 31, 2016. Available from: <http://legalnewsline.com/stories/510760941-florida-consumer-accuses-cigarette-makers-of-deceptive-labeling>

No authors listed. Additives in low tar ('light') and e-cigarettes may reinforce nicotine dependence. Rochdale Online, 2015. June 12, 2015. Available from: <http://www.rochdaleonline.co.uk/news-features/2/news-headlines/96247/additives-in-low-tar-light-and-ecigarettes-may-reinforce-nicotine-dependence>

tobaccoinaustralia.org.au