

Supplemental Table 1. List of all full-text articles reviewed, reasons for exclusion, and contact with authors.

Citation	Reason for exclusion	Contact with author
Included		
1 Adachi-Mejia, A. M., Carlos, H. A., Berke, E. M., Tanski, S. E., & Sargent, J. D. (2012). A comparison of individual versus community influences on youth smoking behaviours: A cross-sectional observational study. <i>BMJ Open</i> , 2, e000767. doi:10.1136/bmjopen-2011-000767.	--	--
2 Mistry, R., Pednekar, M., Pimple, S., Gupta, P. C., McCarthy, W. J., Raute, L. J., ... & Shastri, S. S. (2013). Banning tobacco sales and advertisements near educational institutions may reduce students' tobacco use risk: Evidence from Mumbai, India. <i>Tobacco Control</i> , 24, e100-e107.	--	Author contacted to see if the research team could provide the trend version of the outlet density measure.
3 Lipperman-Kreda, S., Mair, C., Grube, J. W., Friend, K. B., Jackson, P., & Watson, D. (2014). Density and proximity of tobacco outlets to homes and schools: Relations with youth cigarette smoking. <i>Prevention Science</i> , 15(5), 738-744.	--	Author reanalyzed original study model to provide odds ratios for the association between tobacco outlet density and adolescent smoking.
4 Scully, M., McCarthy, M., Zacher, M., Warne, C., Wakefield, M., & White, V. (2013). Density of tobacco retail outlets near schools and smoking behaviour among secondary school students. <i>Australian and New Zealand Journal of Public Health</i> , 37(6), 574-578.	--	--
5 McCarthy, W. J., Mistry, R., Lu, Y., Patel, M., Zheng, H., & Dietsch, B. (2009). Density of tobacco retailers near schools: Effects on tobacco use among students. <i>American Journal of Public Health</i> , 99(11), 2006-2013.	--	Author contacted to provide the effect size for the association between outlet density and the number of smoking days.
6 Novak, S. P., Reardon, S. F., Raudenbush, S. W., & Buka, S. L. (2006). Retail tobacco outlet density and youth cigarette smoking: a propensity-modeling approach. <i>American Journal of Public Health</i> , 96(4), 670-676.	--	Author contacted to provide information about the average distance within the census tracts.

7	Shortt, N. K., Tisch, C., Pearce, J., Richardson, E. A., & Mitchell, R. (2016). The density of tobacco retailers in home and school environments and relationship with adolescent smoking behaviours in Scotland. <i>Tobacco Control</i> , 25(1), 75-82.	--	--
8	Marsh, L., Ajmal, A., McGee, R., Robertson, L., Cameron, C., & Doscher, C. (2015). Tobacco retail outlet density and risk of youth smoking in New Zealand. <i>Tobacco Control</i> , 25, e71-e74.	--	Author contacted to see if the research team could provide the trend version of the outlet density measure.
9	Leatherdale, S. T., & Strath, J. M. (2007). Tobacco retailer density surrounding schools and cigarette access behaviors among underage smoking students. <i>Annals of Behavioral Medicine</i> , 33(1), 105-111.	--	Authors contacted to clarify the (a) past month smoking outcome, (b) average distance of a 6-block radius, and (c) analytic sample for the analyses.
10	Chan, W. C., & Leatherdale, S. T. (2011). Tobacco retailer density surrounding schools and youth smoking behaviour: A multi-level analysis. <i>Tobacco Induced Diseases</i> , 9(1), 9-15.	--	--
11	Adams, M. L., Jason, L. A., Pokorny, S., & Hunt, Y. (2013). Exploration of the link between tobacco retailers in school neighborhoods and student smoking. <i>Journal of School Health</i> , 83(2), 112-118.	--	--
Excluded			
12	Davis, B., & Grier, S. (2015). A tale of two urbanities: Adolescent alcohol and cigarette consumption in high and low-poverty urban neighborhoods. <i>Journal of Business Research</i> , 68(10), 2109-2116. doi:10.1016/j.jbusres.2015.03.009	Study did not examine the association between tobacco outlet density around homes and/or schools and past-month smoking among adolescents.	--
13	Haw, S., Amos, A., Eadie, D., Frank, J., MacDonald, L., MacKintosh, A. M., & ... van der Sluijs, W. (2014). Determining the impact of smoking point of sale legislation among youth (Display) study: A protocol for an evaluation of public health policy. <i>BMC Public Health</i> , 14, 251. doi:10.1186/1471-2458-14-251	Study was not an actual research study but a study protocol.	--

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| 14 | Nelson, R., Paynter, J., & Arroll, B. (2011). Factors influencing cigarette access behaviour among 14-15-year-olds in New Zealand: a cross-sectional study. <i>Journal of Primary Health Care</i> , 3(2), 114-122. | Study did not assess tobacco outlet density. | -- |
| 15 | McDaniel, P. A., & Malone, R. E. (2014). "People over profits": Retailers who voluntarily ended tobacco sales. <i>Plos ONE</i> , 9(1), 1-10. doi:10.1371/journal.pone.0085751 | Study did not examine the association between tobacco outlet density around homes and/or schools and past-month smoking among adolescents. | -- |
| 16 | Levin, K. A., Dundas, R., Miller, M., & McCartney, G. (2014). Socioeconomic and geographic inequalities in adolescent smoking: a multilevel cross-sectional study of 15 year olds in Scotland. <i>Social Science & Medicine</i> , 107, 162-170. doi:10.1016/j.socscimed.2014.02.016 | Study did not examine the association between tobacco outlet density around homes and/or schools and past-month smoking among adolescents. | -- |
| 17 | Slater, S. (2005). <i>The association between tobacco marketing practices and youth smoking attitudes, beliefs, and behavior</i> (Unpublished doctoral dissertation). University of Illinois at Chicago, Chicago, IL. | Study assessed outlet density at the census block level. | -- |
| 18 | Pearce, J., Rind, E., Shortt, N., Tisch, C., & Mitchell, R. (2016). Tobacco retail environments and social inequalities in individual-level smoking and cessation among Scottish adults. <i>Nicotine & Tobacco Research</i> , 18(2), 138-146. doi:10.1093/ntr/ntv089 | Study focused on adults. | -- |
| 19 | Chaiton, M., Mecredy, G., Rehm, J., & Samokhvalov, A. V. (2014). Tobacco retail availability and smoking behaviours among patients seeking treatment at a nicotine dependence treatment clinic. <i>Tobacco Induced Diseases</i> , 12(1), 19. doi:10.1186/1617-9625-12-19 | Study focused on adults. | Authors contacted about age of sample. The first author informed us that there were only four people 18 or under in the sample. |
| 20 | Young-Wolff, K. C., Henriksen, L., Delucchi, K., & Prochaska, J. J. (2014). Tobacco retailer proximity and density and nicotine dependence among smokers with serious mental illness. <i>American Journal of Public Health</i> , 104(8), 1454-1463. doi:10.2105/AJPH.2014.301917 | Study focused on adults. | -- |

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| 21 | Mason, M. J., Mennis, J., Zaharakis, N. M., & Way, T. (2016). The dynamic role of urban neighborhood effects in a text-messaging adolescent smoking intervention. <i>Nicotine & Tobacco Research, 18</i> (5), 1039-1045. doi:10.1093/ntr/ntv254 | Study examined the change in days smoked over time. | -- |
| 22 | Tunstall, H. V. Z, Shortt, N. K., Pearce, J. R., Mitchell, R. J., & Richardson, E. A. (2016). The influence of tobacco retail outlet density upon tobacco-related knowledge, attitudes and purchasing behaviour among adolescents in Scotland: pathway models of 2010 SALUS survey data. <i>Journal of Epidemiology & Community Health, 70</i> (Suppl 1), pA85. doi:10.1136/jech-2016-208064.170 | Study did not assess adolescent past-month smoking behavior. | Contacted author for a copy of the poster associated with the conference abstract. |
| 23 | Mennis, J., & Mason, M. (2016). Tobacco outlet density and attitudes towards smoking among urban adolescent smokers. <i>Substance Abuse, 37</i> (4), 521-525. doi:10.1080/08897077.2016.1181135 | Study did not assess adolescent past-month smoking behavior. | -- |
| 24 | Loomis, B. R., Kim, A. E., Busey, A. H., Farrelly, M. C., Willett, J. G., & Juster, H. R. (2012). The density of tobacco retailers and its association with attitudes toward smoking, exposure to point-of-sale tobacco advertising, cigarette purchasing, and smoking among New York youth. <i>Preventive Medicine, 55</i> (5), 468-474. doi:10.1016/j.ypmed.2012.08.014 | Study examined tobacco outlet density at the county level and not in relation to homes or schools. | -- |
| 25 | Mennis, J., Mason, M., Way, T., & Zaharakis, N. (2016). The role of tobacco outlet density in a smoking cessation intervention for urban youth. <i>Health & Place, 38</i> , 39-47. doi:10.1016/j.healthplace.2015.12.008 | Study examined the change in days smoked from one month to the next month. | Author clarified and confirmed that the study assessed change in smoking. |
| 26 | Schleicher, N. C., Johnson, T. O., Fortmann, S. P., & Henriksen, L. (2016). Tobacco outlet density near home and school: Associations with smoking and norms among US teens. <i>Preventive Medicine, 91</i> , 287-293. doi:10.1016/j.ypmed.2016.08.027 | Study examined lifetime smoking. | -- |

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| 27 | Pokorny, S. B., Jason, L. A., & Schoeny, M. E. (2003). The relation of retail tobacco availability to initiation and continued smoking. <i>Journal of Clinical Child and Adolescent Psychology, 32</i> (2), 193-204. | Study did not examine tobacco outlet density around homes and/or schools. | -- |
| 28 | West, J., Blumberg, E., Kelley, N., Hill, L., Sipan, C., Schmitz, K., & ... Hovell, M. (2010). Does proximity to retailers influence alcohol and tobacco use among Latino adolescents? <i>Journal of Immigrant & Minority Health, 12</i> (5), 626-633. doi:10.1007/s10903-009-9303-2 | Study examined lifetime adolescent alcohol and tobacco use and assessed proximity (not density) to alcohol and tobacco outlets. | -- |
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