7th ICO-WHO SYMPOSIUM ON TOBACCO CONTROL

Why smokefree outdoor settings?

María José López Public Health Agency of Barcelona, CIBERESP, IR Sant Pau















Why are we concerned about smoking in outdoor spaces?





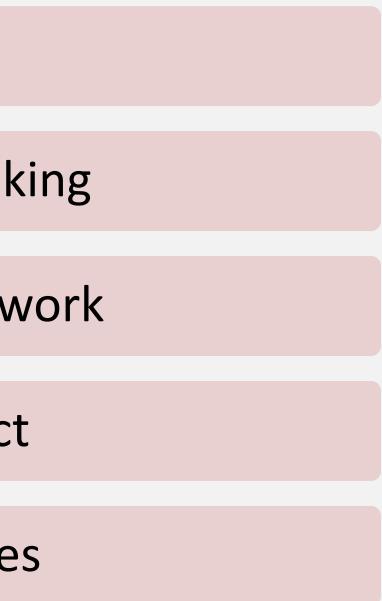




4. Significant environmental impact



5. Contributes to health inequalities



Environmental Research 200 (2021) 111355



Secondhand smoke exposure assessment in outdoor hospitality venues across 11 European countries

Elisabet Henderson^{a,b,c}, Xavier Continente^{a,c,d}, Esteve Fernández^{e,f,g,h}, Olena Tigova^{e,f,g,h}, Nuria Cortés-Francisco^{a, d}, Silvano Gallusⁱ, Alessandra Lugoⁱ, Sean Semple^j, Ruaraidh Dobson^j, Luke Clancy^k, Sheila Keogan^k, Ario Ruprecht¹, Alessandro Borgini¹, Anna Tzortzi^m, Vergina K. Vyzikidou^m, Giuseppe Goriniⁿ, Angel López-Nicolás^o, Joan B. Soriano^{h, p, q, r}, Gergana Geshanova^s, Joseph Osman^t, Ute Mons^{u,v}, Krzysztof Przewozniak^{w,x,y}, José Precioso^z, Ramona Brad^{aa}, Maria J. López^{a,b,c,d,*}, the TackSHS project Investigators¹



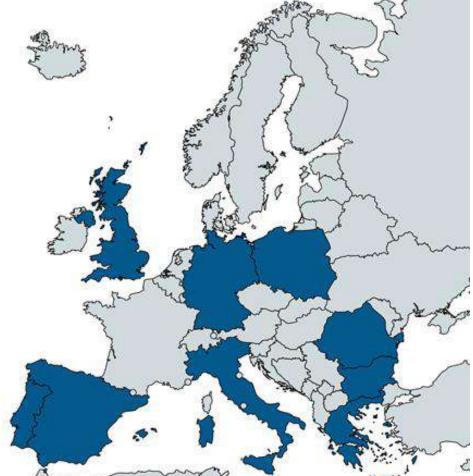




Terraces in hospitality venues

- Assess SHS exposure levels in urban outdoor settings from 11 European countries
- Measuring airborne nicotine and tobacco-related signs



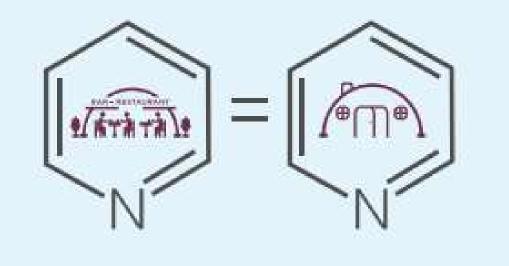






We found...

Secondhand smoke exposure in terraces was equivalent to the exposure in homes with smokers Also important: This exposure is an occupational exposure for hospitality workers



2. Against denormalization

We found that the public smoking ban in Colombia resulted in a significant reduction in smoking prevalence (-10.8 pp.) among households that were previously more exposed to the social norm by living close to highly dense commercial areas in the city.



smoking prevalence

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ARTICLE INFO

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1. Introduction

unicable diseases related to tobacco consumption kill more than 8 million people every year (World Health Orga 2017). Governments worldwide tackle these public health threats with a set of tobacco control policies aimed at reducing smoking prevalence and its health consequences (World Health Organization, 2004). Tobacco control policies are among the current strategies in emerging. economies, but their effects on smoking habits and health outcomes are less known. Policies range from excise taxes to public smoking (smoke-free environments) and advertising bans, discouraging take-up habits, promoting smoking cessation, and enhancing healthy habits an, 1996; Douglas, 1998; Farrelly et al., 2001). These sorts of command-and-control policies related to tobacco use have been studied in high-income countries (Czart et al., 2001; Gruer et al., 2012; Lewit et al., 1981; Mayne et al., 2018), but there is limited evidence of their effects in low and middle-income countries (Gruer et al., Lin, 2022; Ko, 2020). Density around and proximity to tobacco outlet:

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De-normalizing smoking in urban areas: Public smoking bans and

Susana Otálvaro^{a,1}, Juan Miguel Gallego^{b,2}, Paul Rodríguez-Lesmes^{b,3,*}

ABSTRACT

The effectiveness of command-and-control policies related to tobacco use has been studied in high-income countries. Still, there is limited evidence of their effects in low and middle-income countries. We explore the case of Colombia, a country that introduced a business-supported smoking ban in bars and restaurants and all public indoor spaces in 2010. This paper investigates the effect of smoking bans in bars and restaurants on smoking prevalence in Bogotá, Colombia. In this paper, we use the matching with triple-differences technique i analyzing household consumption data from the 2007 and 2011 quality of life surveys. This is done by exploitin heir geographical proximity and variation in the density of commercial areas. We found that after the smoking ban implementation, smoking prevalence reduced in households near high-density commercial blocks compa to households near low-density commercial blocks (-10.8 pp.). The impact is larger for households with children and older household heads. Since households near high-density commercial blocks are more frequently exposed to smoking than households near low-density of the smoking de-normalization process. ercial blocks, the former would be more willing to

> 2012: Sebrié et al., 2008: Ko, 2020). Understanding policies aimed at low-income countries is essential as there is a threat that additional income results in an increase in 'temptation goods' consumption (Baneriee and Mr ian, 2010; Evans and Po Basti, 2016),

> Besides direct health externalities related to second-hand smokin smoking bans might directly impact smoking behaviour (Adda an Cornaglia, 2010: Bharadwai et al., 2014: Catalano, Gilleskie, 2021 While evidence of the reduction of the intensity of smoking prevalence in the general population is not clear (Goo 2015; Ko, 2020), smoking bans can reduce the prevalence of smokin among those individuals who are typical users in places where the ban is implemented (Anger et al., 2011; Borland et al., 2006; Cat e 2021 Chu an et al., 1999; Evans et al., 1 2001). These expositional differential effects are well known in the literature, and the spatial dimension plays an important role (Berg an

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Spanish smoking control law:

Smoking is allowed on hospitality terraces if it is an uncovered space or covered with up to two side walls, and the enclosed area does not exceed 50% of the terrace

Original breve

en las terrazas de hostelería?

y Xavier Continente^{a,b,c}

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Keywards: Secondhand smoke Terraces Hospitality Regulation

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https://www.gacetasanitaria.org/es-pdf-S0213911124000748





Same results in the TackSHS project! (2018 in diferent countries)



4. Environmental Impact



4. Environmental Impact

Every year, trillions of cigarette butts (CBs) are discarded into the environment

High resistance to physical and biological degradation

Harmful components released into water from CBs cause both water pollution and toxic effects on different aquatic organisms



Review

Seren Acarer Arat

HIGHLIGHTS

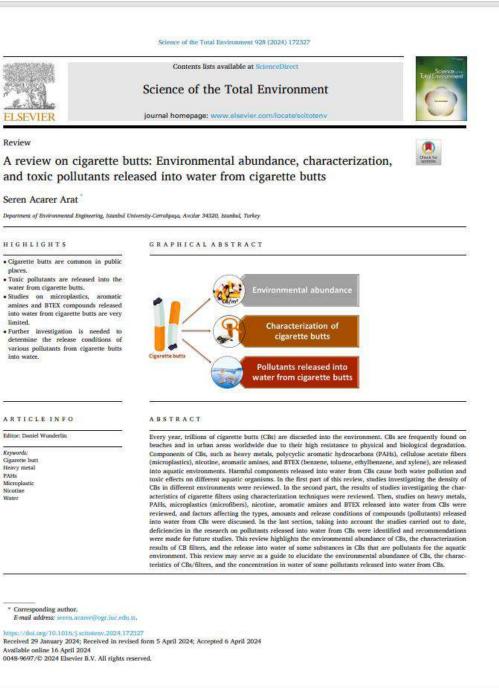
places. · Toxic pollutants are released into the Four pointenes are retened into the water from cigarette butts.
 Studies on microplastics, aromatic amines and BTEX compounds released into water from cigarette butts are very mited. nine the release conditions ous pollutants from cigarette but

ARTICLEINFO Editor: Daniel Wunderl

Keywords: Cigarette butt Heavy metal PAHs Microplastic Nicotine Water

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5. Contributes to health inequalities

CHILDREN'S PLAYGROUNDS

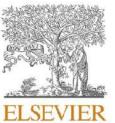
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Secondhand smoke exposure in outdoor children's playgrounds in 11 European countries

Elisabet Henderson^{a,b,c}, Xavier Continente^{a,c,d}, Esteve Fernández^{e,f,g,h}, Olena Tigova^{e,f,g,h}, Nuria Cortés-Francisco^a, Silvano Gallusⁱ, Alessandra Lugoⁱ, Sean Semple^j, Rachel O'Donnell^j, Luke Clancy^k, Sheila Keogan^k, Ario Ruprecht¹, Alessandro Borgini¹, Anna Tzortzi^m, Vergina K Vyzikidou^m, Giuseppe Goriniⁿ, Angel López-Nicolás^o, Joan B Soriano^{h, p}, Gergana Geshanova^q, Joseph Osman^r, Ute Mons^s, Krzysztof Przewozniak^{t, u}, José Precioso^v, Ramona Brad^w, Maria J. López^{a, b, c, d,*}, the TackSHS project investigators

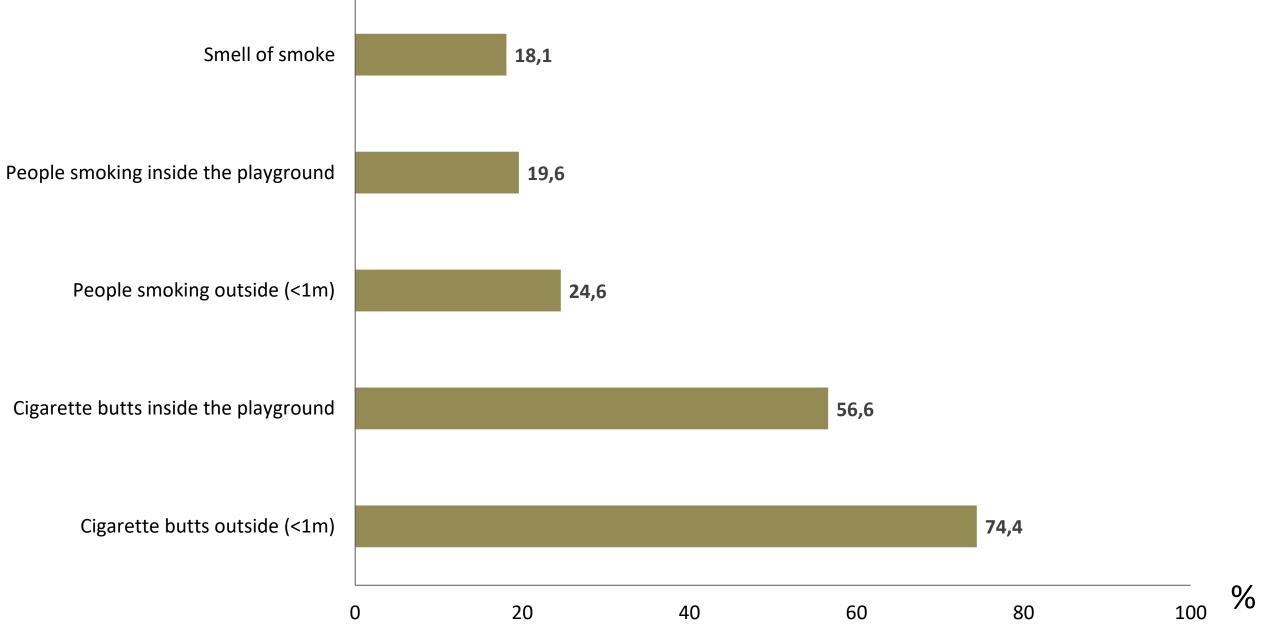






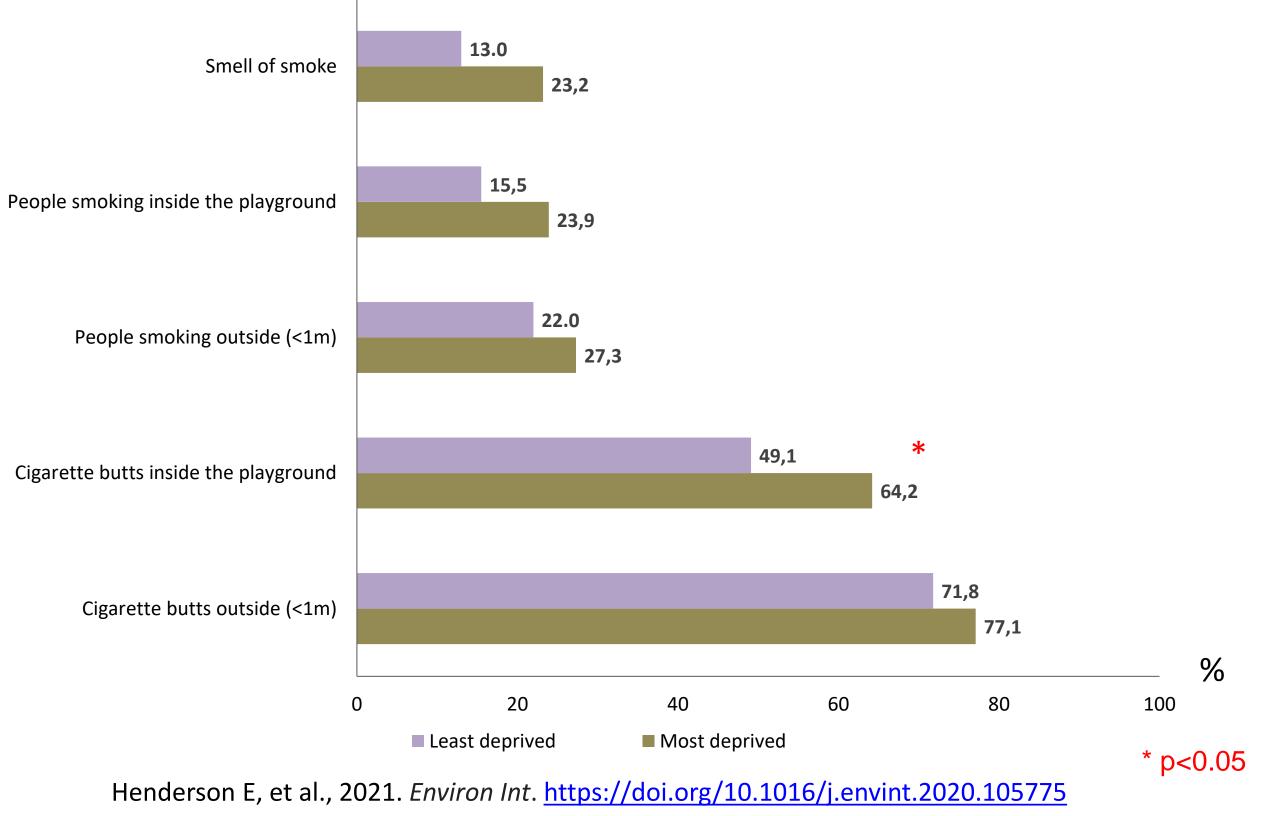


Tobacco signs in playgrounds (n=219)



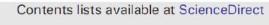
Henderson E, et al., 2021. Environ Int. <u>https://doi.org/10.1016/j.envint.2020.105775</u>

Tobacco signs in playgrounds, according to neighborhood's SES



PRIMARY SCHOOLS ENTRANCES

Science of the Total Environment 743 (2020) 140743





Science of the Total Environment



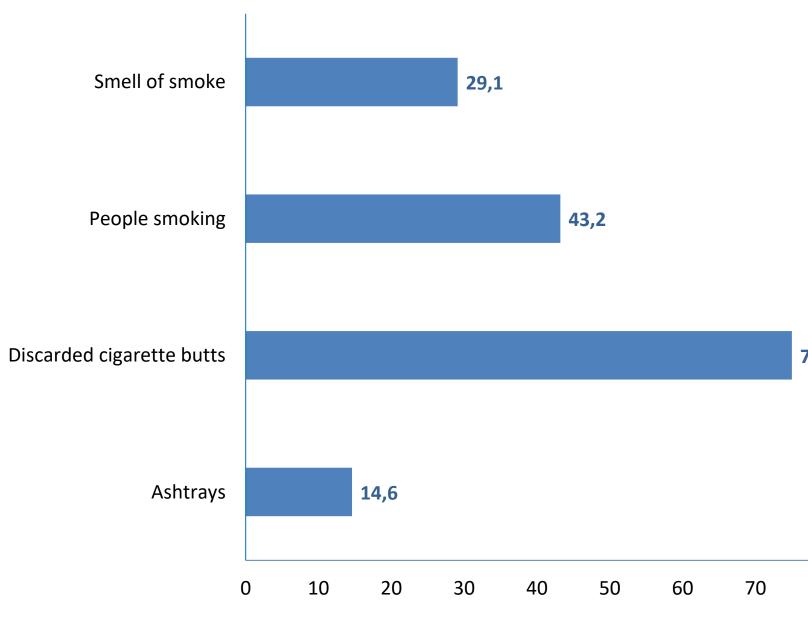
journal homepage: www.elsevier.com/locate/scitotenv

Secondhand smoke exposure and other signs of tobacco consumption at outdoor entrances of primary schools in 11 European countries

Elisabet Henderson^{a,b,c}, Xavier Continente^{a,c,d}, Esteve Fernández^{e,f,g,h}, Olena Tigova^{e,f,g,h}, Nuria Cortés-Francisco^{a,d}, Silvano Gallusⁱ, Alessandra Lugoⁱ, Sean Semple^j, Rachel O'Donnell^j, Luke Clancy Sheila Keogan^k, Ario Ruprecht¹, Alessandro Borgini¹, Anna Tzortzi^m, Vergina K. Vyzikidou^m, Giuseppe Gori Angel López-Nicolás^o, Joan B. Soriano^{h,p}, Gergana Geshanova^q, Joseph Osman^r, Ute Mons^s, Krzysztof Przewozniak ^{t,u,v}, José Precioso ^w, Ramona Brad ^x, Maria J. López ^{a,b,c,d,*}, and the TackSHS project Investigators



Tobacco signs in school entrances (n=220)

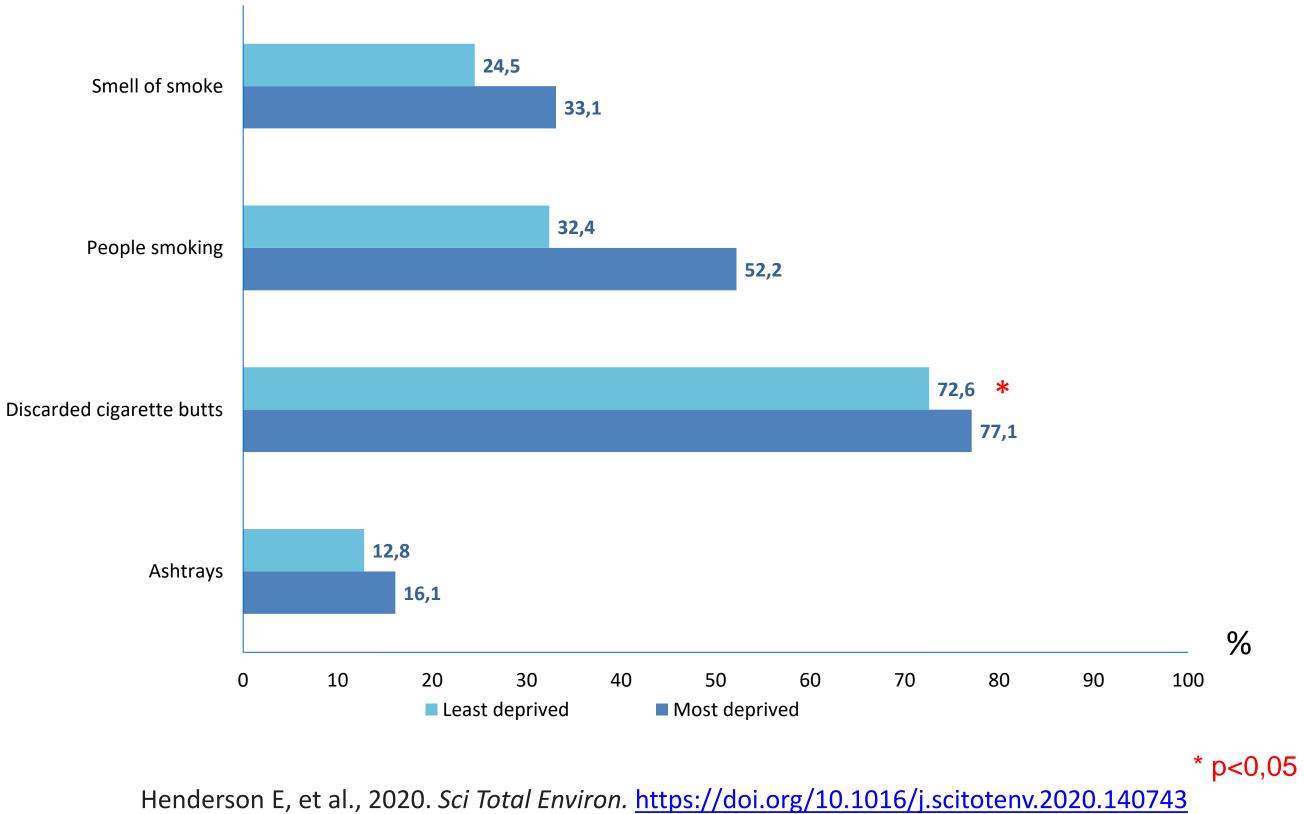


Henderson E, et al., 2020. Sci Total Environ. https://doi.org/10.1016/j.scitotenv.2020.140743

75.0

80 90 100 **%**

Tobacco signs in schools, according to neighborhood's SES



Why are we concerned about smoking in outdoor spaces?





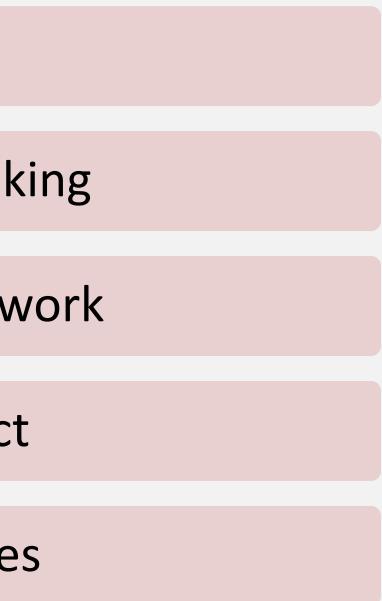




4. Significant environmental impact



5. Contributes to health inequalities



Moving towards smoke-free outdoor areas...

- In outdoor environments where smoking is regulated:
 - ✓ Total bans, not parcial
 - ✓ Establish perimeters
 - ✓ Clear signposting
 - Promotion (equity perspective!), monitoring and enforcement efforts
- Advance in implementing more smoke-free outdoor areas (regulation!)
- Smoke- AND AEROSOL- free environments!

7th ICO-WHO SYMPOSIUM ON TOBACCO CONTROL













Thank you!





Biomèdica de Bellvitge





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