

How is the exposure to secondhand smoke in outdoor and private settings in Europe?

Within the framework of the TackSHS project (2016-2020), the Public Health Agency of Barcelona led the exposure assessment of secondhand smoke concentrations in outdoor and private settings in Europe

Settings targeted

3 OUTDOOR SETTINGS

2 PRIVATE SETTINGS



Children's playgrounds



Primary school entrances



Terraces of hospitality venues



Homes with smokers



Cars



660
measurements
11
countries

Bulgaria	<input type="checkbox"/>
France	<input type="checkbox"/>
Germany	<input type="checkbox"/>
Greece	<input type="checkbox"/>
Ireland	<input type="checkbox"/>
Italy	<input type="checkbox"/>
Romania	<input type="checkbox"/>
Poland	<input type="checkbox"/>
Portugal	<input type="checkbox"/>
Spain	<input type="checkbox"/>
United Kingdom	<input type="checkbox"/>

163
measurements
9
countries

<input type="checkbox"/>
<input type="checkbox"/>
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45
measurements
2
countries

<input type="checkbox"/>
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How did we measure secondhand smoke?

OUTDOOR AND PRIVATE SETTINGS



Airborne marker

Air pump
and monitor

OUTDOOR SETTINGS



Observations



People
smoking



Cigarette
butts



Nicotine
concentrations

PRIVATE SETTINGS



Questionnaire



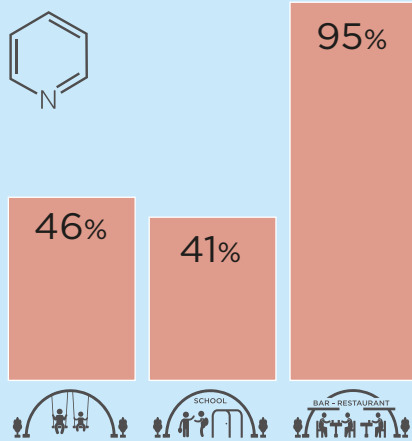
Sociodemographic
information



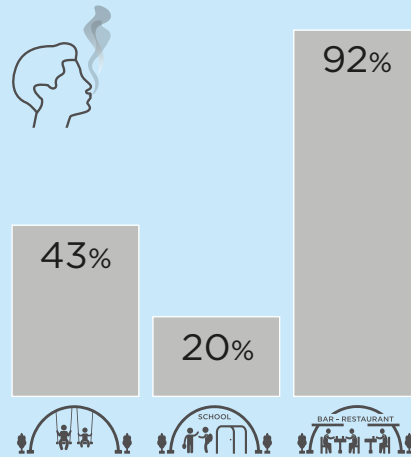
Smoking
information

Outdoor Settings

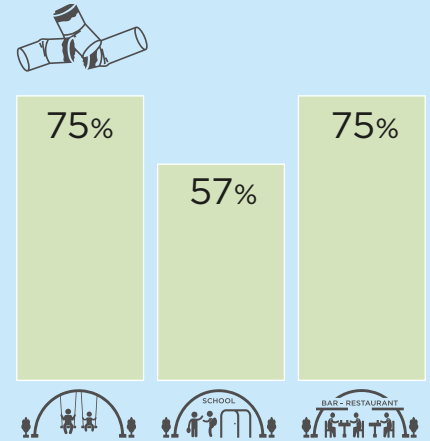
Presence of nicotine



Presence of people smoking



Presence of cigarette butts



CHILDREN'S PLAYGROUNDS



Total smoking bans and a better implementation of these bans are needed in children's playgrounds across Europe

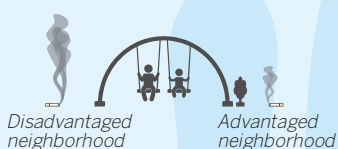
We found...

Higher presence of secondhand smoke

- In playgrounds without smoking bans



- In playgrounds in more disadvantaged neighborhoods



PRIMARY SCHOOL ENTRANCES

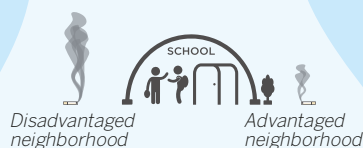


Smoking should be banned in all outdoor areas of schools including a smoke-free perimeter covering the outdoor school entrances

We found...

Higher presence of secondhand smoke

- In schools in more disadvantaged neighborhoods



- In countries with weaker tobacco control policies



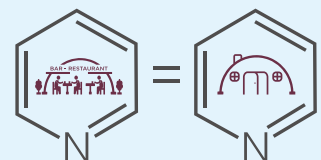
TERRACES OF HOSPITALITY VENUES



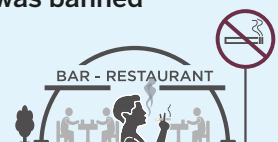
Total smoking bans in the outdoor areas of hospitality venues should replace current partial smoking restrictions based on the terraces degree of enclosure

We found...

- Secondhand smoke exposure in terraces was equivalent to the exposure in homes with smokers



- Secondhand smoke presence in all terraces where smoking was banned



Private Settings

HOMES WITH SMOKERS



Evidence based interventions should be adopted to prevent smoking and secondhand smoke exposure in homes

We found...

- There was secondhand smoke presence inside homes with partial smoking restrictions such as smoking with the windows open or only in some rooms



- Higher secondhand smoke exposure in homes with....



2 or more smokers

and in homes located in countries with higher national smoking prevalence



CARS



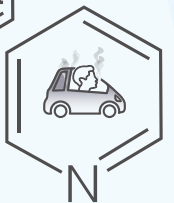
Smoking should be banned in private vehicles

We found...

- Secondhand smoke exposure in cars when someone had smoked was...

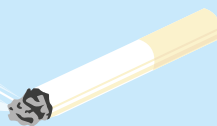
4 times higher...

than in homes with smokers



15 times higher...

than in cars of smokers who do not smoke inside



For more information visit: <http://tackshs.eu/>