

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



660 measurements
11 countries



163 measurements
9 countries



45 measurements
2 countries



How did we measure secondhand smoke?

OUTDOOR AND PRIVATE SETTINGS



Airborne marker

Air pump and monitor

OUTDOOR SETTINGS

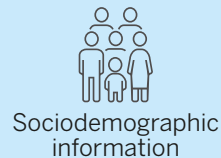
Observations



Nicotine concentrations

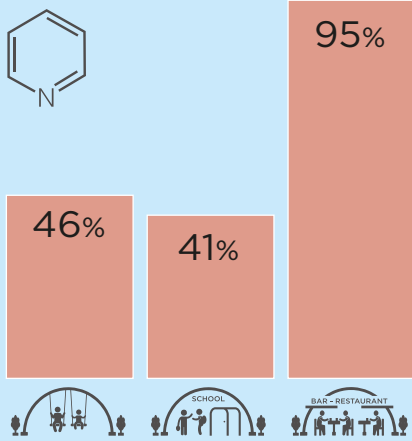
PRIVATE SETTINGS

Questionnaire

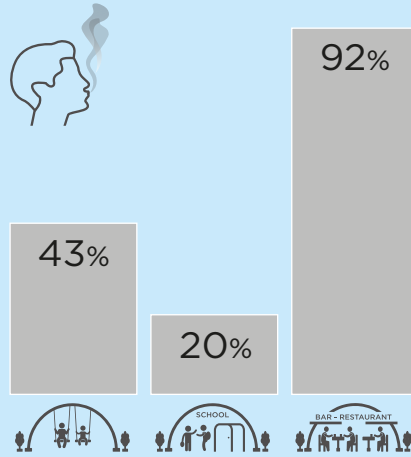


Outdoor Settings

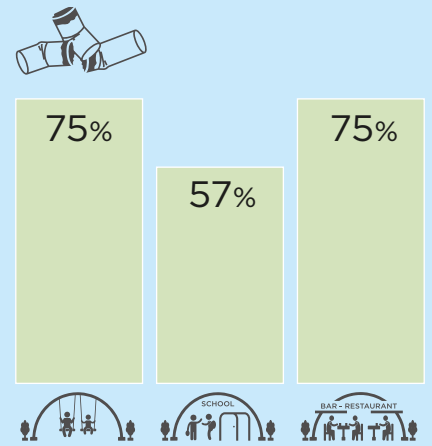
Presence of nicotine



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

PRIMARY SCHOOL ENTRANCES



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

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

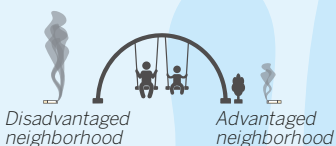
We found...

Higher presence of secondhand smoke

- In playgrounds without smoking bans



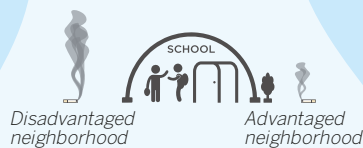
- In playgrounds in more disadvantaged neighborhoods



We found...

Higher presence of secondhand smoke

- In schools in more disadvantaged neighborhoods

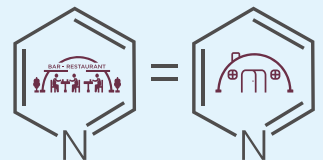


- In countries with weaker tobacco control policies

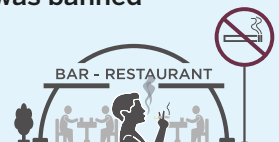


We found...

- 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



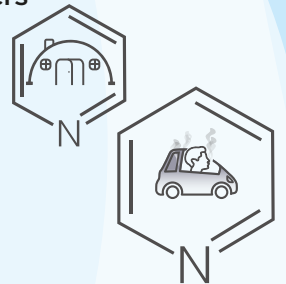
Smoking should be banned in private vehicles

We found...

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

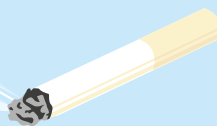
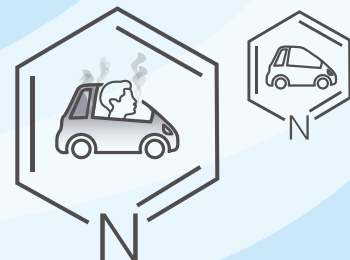
4 times higher...

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/>