

# The research and evidence to guide our tobacco control actions

## International Agency for Research on Cancer Lyon, France

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IARC and Cancer Prevention Europe (CPE)

Cancer revention Europe

International Agency for Research on Cancer

European Cancer Organisation / Primary Prevention Meeting (Virtual), 28 May 2021



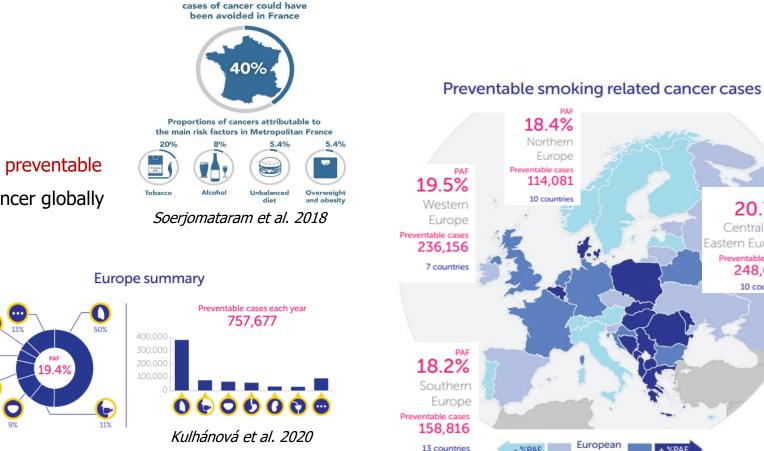
## **Tobacco:** Avoidable **Illness and Death**

- Tobacco smoking kills up to half of long-term users
  - It remains the leading preventable cause of death and cancer globally

## **8** MILLIONS

people died from diseases attributable to tobacco in 2017





20.7%

ble cases

248,620

10 countries

astern Europe

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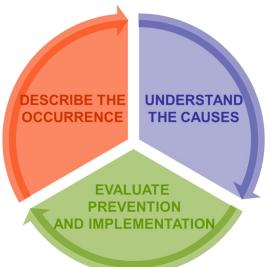
142 000

- There is much lower awareness of the risks associated with smokeless tobacco
- Other tobacco products (waterpipe, shisha, hookah) need greater attention and are poorly understood
- Second-hand smoke (SHS) is a cause of lung cancer in non-smokers
- Non-smokers exposed to SHS breath and metabolize similar carcinogens as active smoker do

## International answers to national questions



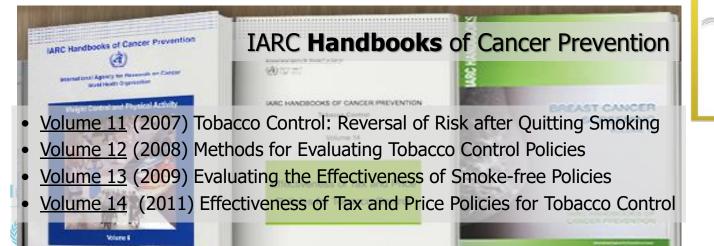
Europe's beating cancer plan #EUCancerPlan #HealthUnion

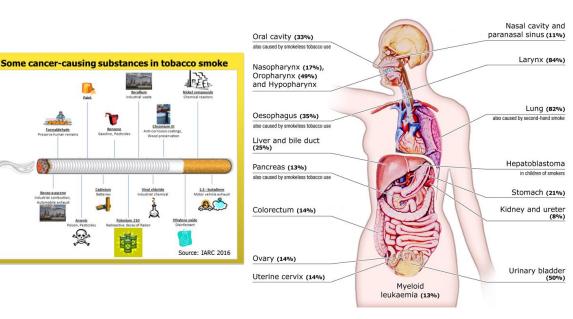


IARC **Monographs** on the Identification of Carcinogenic Hazards to Humans

<u>Volume 38</u> (1986) Tobacco Smoking

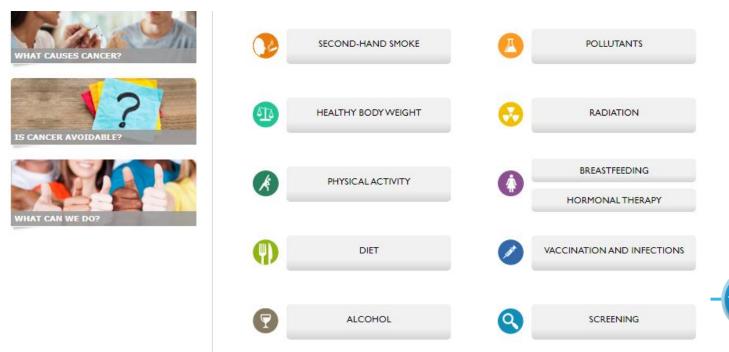
- Volume 83 (2004) Tobacco Smoke and Involuntary Smoking
- <u>Volume 89</u> (2007) Smokeless Tobacco and Some Tobacco-specific *N*-Nitrosamines
- Volume 100E (2012) Personal Habits and Indoor Combustions







- 1. Do not smoke. Do not use any form of tobacco.
- 2. Make your home smoke free. Support smoke-free policies in your workplace.





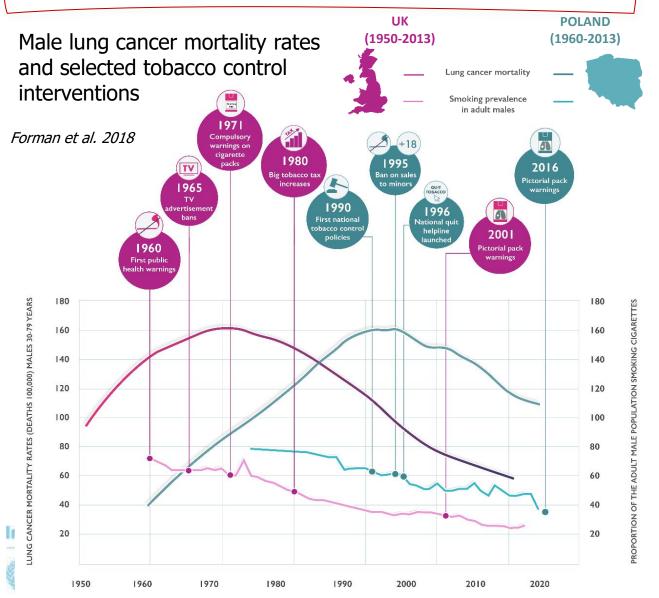
- Sufficient evidence tobacco smoking is carcinogenic
- 27% of adults in Europe smoke (31% men, 24% women)
- Sufficient evidence smokeless tobacco is carcinogenic
- Smokeless tobacco is consumed in Europe
  - Overall, 2% of population
  - Sweden 21%, Poland 4%, Finland 3% in men
  - GYTS & other surveys show adolescents have tried smokeless products

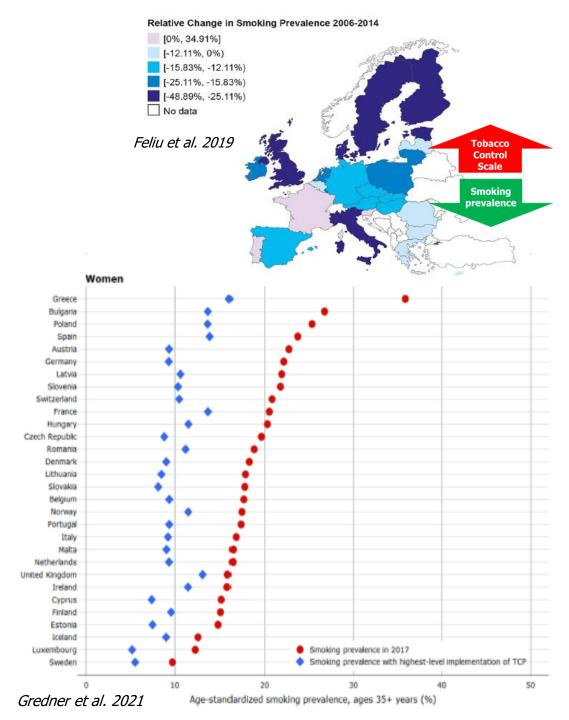
ternational AgSwedish shus sold via Internet despite prohibition



- Sufficient evidence SHS is carcinogenic to lung
- Limited evidence SHS may cause larynx/pharynx cancers
- Smoking at home represents a common source of SHS
- Voluntary smoke-free home policies significantly reduce exposure to SHS and are an intervention people can do
- Smoking in enclosed work places occurs in Europe
- Smoke-free workplaces substantially reduce exposure to SHS

## Primary prevention works... but needs time and vision!





#### **Take-home messages**

- Tobacco use is the main cause of cancer (over 10 types)
- Smoking accounts for 1/5 cancers diagnosed in the EU
- 82% of all lung cancers diagnosed are due to smoking
- Smoking also causes lung cancer in never smokers chronically exposed to SHS
- Smokeless tobacco is also carcinogenic to humans and causes cancer of the oral cavity, oesophagus and pancreas
- Smoking cessation at any age reduces the risk of cancer and death







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- Substantial cancer prevention is achievable with tobacco control
- Evidence-based effective interventions to control tobacco use already exist at the individual and at the population-level

