

Health impact of tobacco control policies in line with the WHO Framework Convention on Tobacco Control (WHO FCTC)



Based on the current level of adult smoking in Georgia (1), premature deaths attributable to smoking are projected to be as high as 458 000 of the 916 000 smokers alive today (Table 1) and may increase in the absence of stronger policies.

TABLE 1.
Initial smoking prevalence and projected premature deaths

| Smoking preval | Smokers (n) | |
|----------------|-------------|---------|
| Male | Female | Total |
| 55.5 | 4.8 | 915 600 |

| Projected premature deaths of current smokers (n) | | | | | |
|---|---------------------|--------------------|---------|--|--|
| Male ^a | Female ^a | Total ^a | Total⁵ | | |
| 417 000 | 40 800 | 457 800 | 297 570 | | |

^a Premature deaths are based on relative risks from large-scale studies of high-income countries.

Key findings

Within 15 years, the effects of individual tobacco control policies when fully implemented in line with the WHO FCTC (2) are projected to reduce smoking prevalence by:

- 27% by increasing excise cigarette taxes from the current level of 34.09% to 75% and prevent much smoking among young people;
- 6.2% with more comprehensive smoke-free laws and stronger enforcement;
- 12% by banning most forms of direct and indirect advertising to create a comprehensive ban on advertising, promotion and sponsorship with enforcement;
- 9% by requiring that strong graphic health warnings be added to tobacco products;
- 3.2% by increasing from moderate provision to a well publicized and comprehensive tobacco-cessation policy; and
- 7.5% by increasing from a low- to high-level media campaign.

^b Premature deaths are based on relative risks from large-scale studies of low- and middle-income countries. Source: WHO (1).

With this stronger set of policies and consistent with the WHO FCTC (2), smoking prevalence can be reduced by 40% within five years, 51% within 15 years and 60% within 40 years. Almost 275 000 deaths could be averted in the long term (Table 2). The SimSmoke tobacco control model (3) incorporates synergies in implementing multiple policies (such as strong media campaigns with smoke-free laws and tobacco-cessation policies).

TABLE 2.

Effect of tobacco control policies (individual and combined) on initial smoking prevalence and smoking-attributable deaths

| | Relative change | in smoking preva | alence (%) | Reduction in smoking-attributable deaths in 40 years (n) | | | |
|----------------------------------|-----------------|------------------|------------|--|--------|---------|--------------------|
| Tobacco control policy | 5 years | 15 years | 40 years | Male ^a | Female | Totalª | Total ^b |
| Protect through smoke-free laws | -5.4 | -6.2 | -6.8 | 28 271 | 2 766 | 31 037 | 20 174 |
| Offer tobacco-cessation services | -1.8 | -3.2 | -4.5 | 18 872 | 1 847 | 20 719 | 13 467 |
| Mass media campaigns | -6.5 | -7.5 | -7.8 | 32 526 | 3 182 | 35 708 | 23 210 |
| Warnings on cigarette packages | -6.0 | -9.0 | -12.0 | 50 040 | 4 896 | 54 936 | 35 708 |
| Enforce marketing restrictions | -10.0 | -12.0 | -13.0 | 54 210 | 5 304 | 59 514 | 38 684 |
| Raise cigarette taxes | -18.2 | -27.3 | -36.3 | 151 554 | 14 828 | 166 382 | 108 148 |
| Combined policies | -39.9 | -51.1 | -60.0 | 250 234 | 24 483 | 274 718 | 178 567 |

^a Smoking-attributable deaths are based on relative risks from large-scale studies of high-income countries.

→ Monitor tobacco use

The prevalence of current adult smokers (18–64 years) in Georgia in 2010 was 30.3% (men: 55.5%; women: 4.8%) (1).

→ Protect people from tobacco smoke

Health-care and education facilities (including universities) are completely smoke-free in Georgia (Table 3). Smoking violations incur fines for the establishment and patron, but no funds are dedicated to enforcement and no system is in place for citizen complaints and further investigations (4).

TABLE 3. Complete smoke-free indoor public places

| ⊘ | ⊘ | Ø | | • | | | | |
|---------------------------|--|--------------|-----------------------|----------------------------------|-------------|-------------------------|---------------------|--------------------------------|
| Health-care facilities | Education facilities (except universities) | Universities | Government facilities | Indoor offices and workplaces | Restaurants | Cafes, pubs and bars | Public transport | All other indoor public places |

Source: WHO (4).

^b Smoking-attributable deaths are based on relative risks from large-scale studies of low- and middle-income countries.

→ Offer help to quit tobacco use

Smoking-cessation services are available in some health clinics and other primary care facilities, with costs partially covered by the national health service or national health insurance. Nicotine replacement therapy is not available, but varenicline is sold legally in Georgia and can be purchased in a pharmacy without a prescription; the cost of this product is not covered. A toll-free quit line is available (4).

→ Warn about the dangers of tobacco

Health warnings are legally mandated to cover 30% of the front and rear of the principal display area, with 12 such warnings approved by law. They appear on each package and any outside packaging and labelling used in retail sale and describe the harmful effects of tobacco use on health. The law also mandates font size/style and colour for package warnings. The position of health warnings on packages rotates and the messages are written in the principal language(s) of the country. Pictorial warnings on packages are optional, not mandatory (4).

→ Enforce bans on tobacco advertising, promotion and sponsorship

Through laws on advertising (adopted in 1998 and amended in 2008) and tobacco control (adopted in 2010) (5), Georgia has bans in place on some forms of direct and indirect advertising (Table 4). The law does not require fines for violations of these bans (4).

TABLE 4.
Bans on direct and indirect advertising

| Direct advertising | | Indirect advertising | | | | |
|--|---|---|----------|--|--|--|
| National television and radio | • | Free distribution in mail or through other means | • | | | |
| International television and radio | | Promotional discounts | | | | |
| Local magazines and newspapers | | Non-tobacco products identified with tobacco brand names | | | | |
| International magazines and newspapers | | Appearance of tobacco brands in television and/or films (product placement) | Ø | | | |
| Billboards and outdoor advertising | | Appearance of tobacco products in television and/or films | Ø | | | |
| Advertising at point of sale | | Sponsored events | Ø | | | |
| Advertising on the Internet | | Tobacco products display at point of sale | | | | |

Additionally, Georgia has:

- bans on tobacco companies/tobacco industry publicizing their activities; and
- bans on entities other than tobacco companies/tobacco industry publicizing activities of the tobacco companies (4).

It does not, however, have:

- bans on tobacco companies funding or making contributions (including in-kind contributions) to smoking-prevention media campaigns, including those directed at young people; and
- a requirement to present prescribed anti-tobacco advertisements before, during or after the broadcasting or showing of any visual entertainment (4).

→ Raise taxes on tobacco

A pack of cigarettes in Georgia costs 2.20 GEL¹ (US\$ 1.26), of which 49.35% is tax (15.25% is value-added tax and 34.09% excise taxes) (4).

¹ The currency code is according to International Organization for Standardization, ISO 4217 currency names and code elements

About the SimSmoke model

The abridged version of the SimSmoke tobacco control model, developed by David Levy of Georgetown University, United States of America, projects the reduction in smoking prevalence and smoking-attributable deaths as a result of implementing tobacco control policies (individually and in combination) (3). Specifically, the model projects the effects from:

- protecting from second-hand smoke through stronger smoke-free laws
- offering greater access to smoking-cessation services
- placing warnings on tobacco packages and other media/educational programmes
- enforcing bans on advertising, promotion and sponsorship
- raising cigarette prices through higher cigarette taxes (6).

Data on smoking prevalence among adults for the SimSmoke model were taken from the most recent nationally representative survey covering a wide age range; data on tobacco control policies were taken from the 2015 WHO report on the global tobacco epidemic (4).

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