Healthy China

Current Progress and Challenges to Tobacco Control in China

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In May 2003, the World Health Organization (WHO) Framework Convention on Tobacco Control (FCTC) was released (1), which is an event of great significance in the history of tobacco control. The FCTC was signed by China in November 2003 and entered into force in January 2006. Although some achievements in tobacco control have been made over the past 15 years, much more progress is needed. In July 2021, the WHO Report on the Global Tobacco Epidemic (Report) was released. The Report evaluates and grades implementation of the 6 most effective strategies of the Monitor, Protect, Offer, Warn, Enforce and Raise (MPOWER) tobacco control package in 61 high-income countries, 105 middleincome countries, and 29 low-income countries (2) (Table 1). This article summarizes current progress and challenges to tobacco control in China with reference to the Report.

PROGRESS AND PROBLEMS OF FCTC IMPLEMENTATION

Monitor Tobacco Use and Prevention Policies (Grade I for China)

China's monitoring of tobacco use and prevention policies were highly acclaimed and recommended in the Report (2). Since 1984, 9 nationally representative tobacco use surveys have been conducted in China - 6 among adults (in 1984, 1996, 2002, 2010, 2015, and 2018) and 3 among adolescents (1999, 2004, and 2013) (3). These surveys played critically important roles by providing data to inform policymaking.

Protect People from Tobacco Smoke (Grade IV for China)

According to the FCTC, by 2011, China should have achieved completely smoke-free public transport, indoor workplaces, indoor public places, and other public places (1). However, as of publication of this article, the only complete smoking ban has been on public transport (2). Although more than 20 provincial-level administrative divisions (PLADs) or

cities, including Beijing, Shanghai, Henan, Shenzhen, and Xi'an, have implemented comprehensive smoke-free legislation (4), it is apparent that reliance on sporadic, local legislation is insufficient to protect the vast majority of the Chinese population.

The prevalence of second-hand smoke exposure among Chinese aged 15 years and above was 72.4% in 2010, decreasing slightly to 68.1% by 2018 (5). As of December 2021, only 14% of the total population (approximately 198 million people) was protected by smoke-free laws (4). The Healthy China Initiative (2019–2030) set a target to have 30% of the population protected by comprehensive smoke-free laws by 2022 and over 80% by 2030, leaving a large gap between the current status and the targets (6).

Offer Help to Quit Tobacco Use (Grade II for China)

Since 2015, China has actively promoted tobacco cessation services. Efforts include providing access to training for health professionals on how to help patients quit smoking, promoting brief cessation services, standardizing tobacco cessation clinics, and supporting establishment of a "12320" national quit smoking hotline (quit-line) in all PLADs.

However, the national tobacco use survey in 2018 showed that use of the cessation services was extremely low. Of those who attempted to quit smoking, only 3.2% have called quit-lines and only 4.6% used cessation drugs or visited cessation clinics (5). Cessation drugs have yet to be covered by basic health insurance schemes, decreasing utilization of and allocation in the cessation clinics (7).

Warn About the Dangers of Tobacco (Grade I and III for China)

This strategy includes two parts. The first part is anti-tobacco mass media campaigns, and for this part, China was graded I (2). Nonetheless, the messaging of smoking being harmful to health is usually nonspecific and often presented in unattractive forms. Anti-tobacco mass media campaigns in China have largely

TABLE 1. The grading criteria of the implementation of the MPOWER policies and the numbers of countries reaching grade I in the Report.

Recent, representative, and performed the performance and pourth and pounds and youth youth and youth and youth and youth and youth and youth and youth youth and youth youth and youth and youth and youth and youth	MDOWED		Grades			Countries	Countries reaching grade	g grade l
Recent and representative, and profices and youth and	Policies	I	П	Ħ	IV	High- income	Middle- income	Low- income
All public places completely monkerine from tobacco use the population covered by completely smoke-free or at least 90% of sk to seven public places to the population covered by completely smoke-free or at least 90% of sk to seven public places to the population covered by completely smoke-free part of the population covered by completely smoke-free places conjugately barning swith all services cost-covered characteristics and propriate characteristics or leave withings with all and or propriate characteristics and propriate c	Monitor tobacco use and prevention policies	Recent, representative, and periodic data for both adults and youth	Recent and representative data for both adults and youth	Recent and representative data for either adults or youth	No known data or no recent data or data that are not both recent and representative	46	31	_
National quit lines and both services (at least one of services cost-covered) National campaign Conducted with at least services cost-covered) National campaign conducted with at least services cost-covered) National campaign conducted with at least services cost-covered) National campaign conducted with at least services cost-covered) National campaign conducted with at least services conducted with one to four characteristics including airing on television and/or characteristics are appropriate characteristics and proportiate characteristics appropriate characteristics Ban on all forms of direct and indirect advertising sponsorship) >250% and <75% of retail price is tax Nor antinger (nor at least 3 and une 2020 with a popropriate characteristics and propriate characteristics and print media as by submational legislation completely banning tobacco advertising promotion and sponsorship) >250% and <75% of retail price is tax Particular devertising services (cost of retail price is tax) No national campaign (cost devertising and unit media as propriate characteristics and print media as price is tax) No national campaign (and least and print media as propriate characteristics and print media as propriate characteristics) And the cost advertising (or at least 3 and print media as propriate advertising) And the conducted between July and unit media with all appropriate characteristics and print media as propriate advertising (or at least 3 and print media as propriate advertising (or at least 3 and print media as propriate advertising (or at least 3 and print media as price is tax and pri	Protect people from tobacco smoke		Six to seven public places completely smoke-free	Three to five public places completely smoke-free	Complete absence of ban or up to two public places completely smoke-free	6	38	O
National campaign seven appropriate conducted with at least seven appropriate characteristics including airing on television and/or radio. National campaign conducted with aleast seven appropriate characteristics including airing on television and/or radio. National campaign conducted with one to four characteristics including airing on television and/or radio. National campaign conducted with one to four adune 2020 with a ppropriate characteristics are warnings with all appropriate characteristics appropriate characteristics appropriate characteristics appropriate characteristics appropriate characteristics. Medium size warnings with all appropriate characteristics appropriate characteristics appropriate characteristics appropriate characteristics. Medium size warnings with all appropriate characteristics appropriate characteristics appropriate characteristics. Medium size warnings with all appropriate characteristics appropriate characteristics appropriate characteristics. No warnings or small appropriate characteristics and or all felevision, advanting to do advertising or advanting to bacco advertising promotion and advertising appropriate characteristics. No matrings or small advanting and print media or ban that does not radio, and print media or sponsorship) A2 sponsorship) 525% and <50% of retail price is tax A2 sponsorship) A3 sponsorship) ≥25% of retail price is tax ≥25% of retail price is tax ≥25% of retail price is tax 225% of retail price is tax 24 sponsorship) 14 sponsorship)	Offer help to quit tobacco use	National quit lines and both NRT and some cessation services cost-covered	NRT and/or some cessation services (at least one of which is cost-covered)	NRT and/or some cessation services (neither cost-covered)	None	17	O	0
Medium size warnings with all appropriate characteristics are appropriate characteristics are appropriate characteristics are appropriate characteristics are app	Warn about the dangers of tobacc Anti-tobacco mass media campaigns		National campaign conducted with five to six appropriate characteristics	National campaign conducted with one to four appropriate characteristics	No national campaign conducted between July 2018 and June 2020 with a duration of at least 3 weeks	7.	27	ю
Ban on all forms of direct and indirect advertising (or at least subnational television covered well as on some but not all completely banning tobacco advertising, promotion and sponsorship) Some of direct and or all forms of direct and or advertising sponsorship) Some of direct and print media as by subnational legislation other forms of direct and/or advertising sponsorship) Some of direct and print media as by subnational television, other forms of direct and/or advertising sponsorship) Some of direct and print media as by subnational television, other forms of direct and/or and print media and print media and print media sponsorship) Some of the population covered well as on some but not all radio, and print media and print media sponsorship) Some of the population covered well as on some but not all radio, and print media and print media sponsorship) Some of the population covered well as on some but not all radio, and print media and print media sponsorship) Some of the population covered well as on some but not all radio, and print media and complete absence of the complete absence of the complete absence of the complete as an argin and print media and complete and complete and complete and complete and print media and complete and	Health warning labels	Large warnings with all appropriate characteristics	Medium size warnings with all appropriate characteristics or large warnings missing some appropriate characteristics	Medium size warnings missing some appropriate characteristics or large warnings missing many appropriate characteristics	No warnings or small warnings	42	52	۲
>75% of retail price is tax pri	Enforce bans on tobacco advertising, promotion and sponsorship	Ban on all forms of direct and indirect advertising (or at least 90% of the population covered by subnational legislation completely banning tobacco advertising, promotion and sponsorship)	Ban on national television, radio, and print media as well as on some but not all other forms of direct and/or indirect advertising	Ban on national television, radio, and print media only	Complete absence of ban or ban that does not cover national television, radio, and print media	4	93	2
	Raise taxes on tobacco	≥75% of retail price is tax	≥50% and <75% of retail price is tax	≥25% and <50% of retail price is tax	<25% of retail price is tax	24	15	_

Note: "Report" reffers to the World Health Organization (WHO) Report on the Global Tobacco Epidemic 2021.

Text in bold indicates the grades of China.

Abbreviation: MPOWER=Monitor, Protect, Offer, Warn, Enforce and Raise; NRT=nicotine replacement therapy.

not achieved the expected results. In 2018, only 36.4% of the public knew that smoking increases risk of stroke, heart disease, and lung cancer (5). Awareness of the health risks of smoking was particularly weak in rural areas.

The second part of the strategy is the use of health warning labels on packages of tobacco products, and for this part, China was graded III (2). China should have implemented effective packaging and labeling measures by 2009 (1). However, until 2017, the Rules on Cigarette Package Labeling in the Territories of the People's Republic of China (Rules) released by the State Tobacco Monopoly Administration (STMA) and the General Administration of Quality Supervision, Inspection, and Quarantine, were not fully in compliance with FCTC requirements and guidelines, which include, for example, the size, location, and wording of health warning labels (1,8-9). Chinese cigarette packages seem insistent on being "beautiful and fascinating," without using full-color pictorial warning and without describing the specific adverse health effects of tobacco. The Canadian Cancer Society released an international report in 2021 that ranked 206 countries or jurisdictions on the effectiveness of their health warnings on cigarette packages (10). According to the report, 134 countries or jurisdictions, covering 70% of the world's population, fulfilled requirements for pictorial warnings; China, however, ranked 136 (10).

Enforce Bans on Tobacco Advertising, Promotion, and Sponsorship (Grade II for China)

The Advertising Law of the People's Republic of China (Advertising Law) revised in 2015 bans tobacco advertisements on mass media, in public places, on public transports, and outdoors (11). Publication of indirect tobacco advertisements through advertisements on any other goods or public service advertisements is also prohibited by the Advertising Law. However, since there is no clear definition of public places in the Advertising Law, tobacco companies can take advantage of this legal advertising loophole. The Charity Law of the People's Republic of China and Interim Measures for the Administration of Internet Advertising, released in 2016, prohibited promotion of tobacco products through charitable donations or the Internet (12-13). However, this law does not clearly regulate other forms of sponsorship, such as student grants and donations from other

fundraising activities. Partial bans on tobacco advertising and promotion have little effect because tobacco companies can easily shift resources to forms that are not banned (2).

At present, there are still tobacco advertisements and promotions at sales points and Internet-based media. The national tobacco use survey in 2018 showed that the proportions of the population seeing tobacco advertisements on traditional media such as TV, billboards, posters, newspapers, and magazines decreased compared with 2010 (5). In contrast, the proportion seeing tobacco advertisement at sales points and on the Internet increased. About two thirds of the public has seen smoking scenes in movies or TV series, and in 2018, there were 133 WeChat official accounts for tobacco advertising detected (14).

Raise Taxes on Tobacco (Grade II for China)

Raising tobacco excise taxes and prices is the single most effective strategy for reducing tobacco use, especially among adolescents and people with lowguidelines According incomes. to the implementation Article 6 of the FCTC (15), a specific tax is more effective than an ad valorem tax if the specific tax is adjusted with consumer price index. Since the FCTC came into force in 2006, tobacco taxes have been raised twice in China. Tobacco tax reform in 2009 increased ad valorem tax rates at the producer price level and imposed an additional ad valorem tax at the wholesale price level. Although this adjustment increased government revenue, the higher tax amount was not passed on to consumers because STMA reduced profits at the wholesale level. As a result, cigarette sales did not decline. The 2015 tobacco tax reform raised ad valorem tax rates and levied specific taxes at wholesale prices. This adjustment resulted in a slight increase in the retail price of cigarettes on average by 11% and a 7.8% decrease in annual cigarette sales (16). However, cigarette sales began rising again in 2017 (3).

FCTC recommends that share of total taxes in retail price of the most widely sold cigarette brand should be ≥75%; in China that percentage is only 54.5% (2). In addition, according to the Report, cigarettes in China have become more affordable since 2010. In other words, increases in tobacco taxes did not offset inflation and income growth, leading to overall less expensive cigarettes in China. The national tobacco survey in 2018 showed that the median price paid for a

pack of 20 cigarettes was 9.9 CNY, with no change compared with that in 2015 (5).

CHALLENGES AND RECOMMENDATIONS

During the 15 years since the FCTC came into force in China, some progress has been made towards fulfilling the obligations. However, there are still big gaps in FCTC implementation. The root causes of these gaps are obstacles from the tobacco industry and the government's ambiguous attitudes toward the tobacco economy (3). The tobacco industry of China is state-owned and adopts a system of unified leadership and monopolized operation, with the STMA and the China National Tobacco Corporation (CNTC) being jointly responsible for centralized management. Until now, STMA remains a member of the Leading Group for Inter-Ministerial Coordination for the Implementation of the WHO FCTC (Leading Group). Such a situation provides an opportunity for the tobacco industry to interfere with formulation and implementation of effective tobacco control policies. For example, little progress has been made on the health warning labels which are the responsibility of CNTC/STMA. CNTC/STMA uses its influence to weaken tax policies on tobacco sales and hinder enactment of national smoking-free laws. In the context of the steady growth of China's economy, local governments are even less determined to implement tobacco control policies due to the large proportion of tobacco industry in the governments' tax revenue.

The prevalence of smoking among people 15 years and older in China was 26.6% in 2018 - almost unchanged from 2010 (5). Healthy China 2030 set a smoking prevalence target of 20% by 2030 (17). However, the target will be challenging to achieve without removing obstacles from the tobacco industry. An enormous structural change should start by removing CNTC/STMA from the Leading Group. After that, several recommendations for better implementation of the FCTC can be considered, including the following: 1) enacting a national smokefree law, without any exceptions or legal loopholes; 2) having smoking cessation services covered by basic health insurance schemes; 3) putting large pictorial warnings on all tobacco packages; strengthening regulation of tobacco advertising and promotions on the Internet and sales points and strengthening regulation of smoking scenes in movies

and TV series; and 5) adopting stronger and more effective tax and price measures by relying more on a uniform specific taxes that is regularly increased in line with inflation.

In conclusion, changes must be made top-down to remove all the obstacles described above. The Healthy China 2030 blueprint puts health at the center of the country's entire policymaking machinery and requires implementing health in all policies (17). Fulfillment of FCTC obligations is the best way to put into practice the core principles of Healthy China 2030.

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China CDC Weekly

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