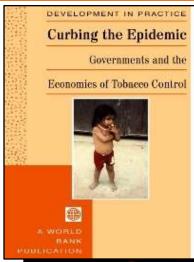


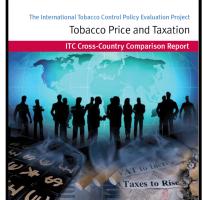
Accelerating Progress on Effective Tobacco Tax Policies in Low- and Middle-Income Countries

Frank Chaloupka, University of Illinois at Chicago 8th European Conference on Tobacco or Health 22 February 2020, Berlin, Germany

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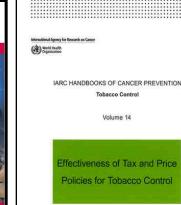


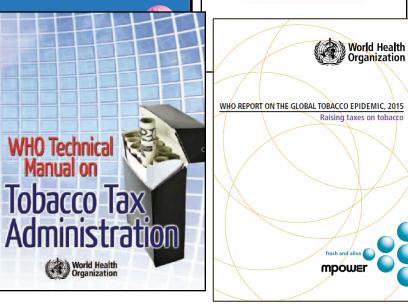


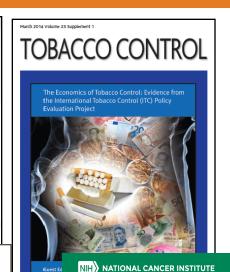


WHO Technical Manual on

World Health Organization







tobaccocont

The Economics of Tobacco and **Tobacco Control**

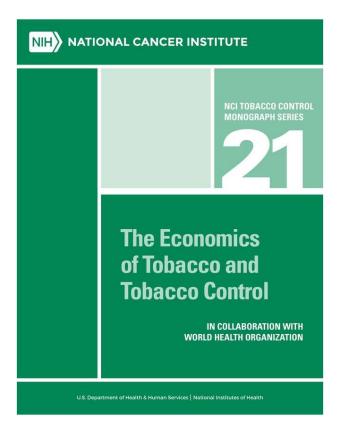
> IN COLLABORATION WITH WORLD HEALTH ORGANIZATION

> > Executive Summary

U.S. Department of Health & Human Services | National Institutes of Health



Effectiveness of Tobacco Taxes



Chapter 4, Conclusion 1:

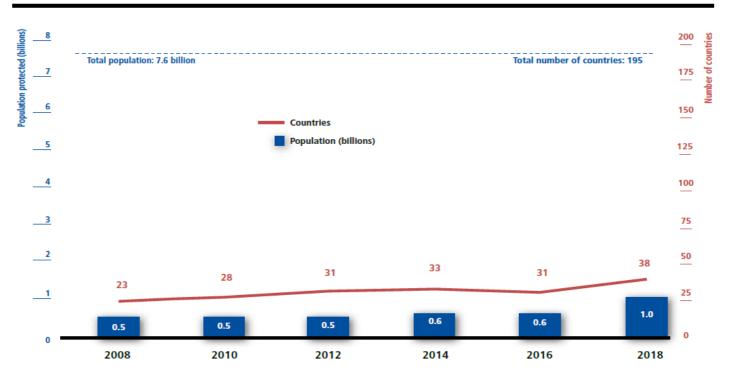
A substantial body of research, which has accumulated over many decades and from many countries, shows that significantly increasing the excise tax and price of tobacco products is the single most consistently effective tool for reducing tobacco use.





Global Progress on Tobacco Taxation

PROGRESS IN TOTAL TAX ON CIGARETTES ≥75% OF RETAIL PRICE (2008–2018)



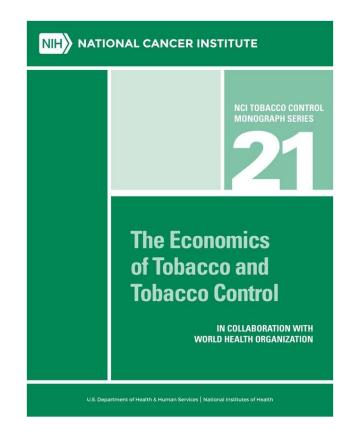




Economic Research Needs

Need for local research on:

- Impact of tax/price on demand for tobacco products
- Economic costs of tobacco use
- Economic impact of tobacco control policies
 - Macroeconomic impacts
 - Illicit trade
 - Distributional effects







Bloomberg Initiative

Bloomberg Philanthropies

OUR WORK

ABOUT US

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PRESS & MEDIA

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PROBLEM SOLUTION PROGRESS GET REPORTED

APPLYING THE BLOOMBERG PHILANTHROPIES APPROACH TO FIGHT

GLOBAL TOBACCO USE

SPREADING SOLUTIONS

The Bloomberg Initiative to Reduce Tobacco Use works in low- and middle-income countries around the world to promote proven tobacco control policies that are helping to combat the global tobacco epidemic.

MONITORING OUTCOMES

The Bloomberg Initiative emphasizes the implementation of evidence-based policies shown to reduce tobacco use. To track our progress and monitor policy changes, we use high-quality tools and practices.

COORDINATED PARTNERSHIPS

The Bloomberg Initiative works through a global network of partners to support and defend countries implementing comprehensive tobacco control policies.

Our partner organizations include: the Campaign for Tobacco-Free Kids, the CDC Foundation, Johns Hopkins Bloomberg School of Public Health, the International Union Against Tuberculosis and Lung Disease, the World Health Organization, Vital Strategies, and the University of Illinois – Chicago.

Bloomberg Philanthropies and The Bill and Melinda Gates Foundation joined together to launch the Anti-Tobacco Litigation Fund.

Primary Project Aim—

Building capacity of think tanks in selected priority countries/regions to provide country-specific evidence in support of tobacco tax reforms and tax increases





Core Competencies:

Question 1: How will consumers and producers respond to tobacco tax increases? **Methods:** Estimating demand elasticity using household expenditure and other survey data; store scanner data; and/or time series data

Question 2: How will a tax increase affect the price of tobacco products and how will this change in price affect government revenues, consumption, and health?

Methods: Modeling alternative tax structures/rates on revenues and public health indicators

Question 3: What are the health and economic costs (both public and private) of smoking and how can tax increases/reforms address these costs? **Methods**: Quantifying economic costs (direct and indirect) from primary and secondary data





Question 4: How will tax increases/reforms affect the poor and other vulnerable groups?

Methods: Measuring distributional impacts of tax increases using household expenditure data

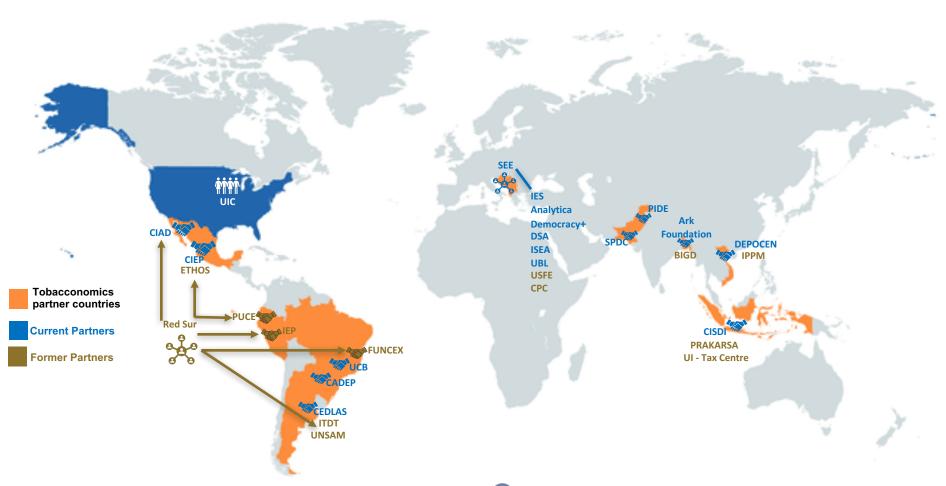
Question 5: How will tobacco taxes affect employment and economic growth? **Methods:** Estimating macroeconomic impacts of tobacco taxes through the supply chain through quasi-experimental designs, Input-Output, Computable General Equilibrium, and other models

Question 6: To what extent do tobacco taxes lead to tax avoidance and evasion and what can be done to prevent it?

Methods: Quantifying the extent of cross-border shopping in tax evaluation models; quantifying levels of illicit trade and production under-reporting; measuring trends, geographical areas of leakage, etc.







Southeastern Europe



Partners:

- Serbia (Lead): Institute of Economic Sciences (IES)
- Albania: Development Solutions Associates (DSA)
- Bosnia and Herzegovina: University of Banja Luka
- Croatia: University of Split
- Kosovo: Democracy Plus
- Montenegro: Institute of Socio-Economic Analysis (ISEA)
- North Macedonia: Analytica



Southeastern Europe

Table 9.6: Elasticities in six SEE countries by income group

		ALB	В&Н	KSV	MNE	NMK	SRB
Price	Low	-1.198	-1.411	-0.532	-1.300	-0.446	-1.076
	Middle	0.00	-0.929	-0.630	-1.009	-0.888	-0.631
	High	-0.709	-0.708	0.00	-0.617	-0.278	-0.220
Income	Low	1.728	0.901	0.668	0.514	1.245	1.363
	Middle	1.141	0.782	0.894	0.522	1.124	1.267
	High	0.517	0.735	0.619	0.607	0.583	0.740

Table 9.7: Impact of tax and price increase on consumption (by income group and total)

	ALB ¹	B&H²	KSV ¹	MNE ³	NMK ²	SRB1
Low	-27.1%	-22.1%	-16.3%	-8.7%	-11.6%	-21.6%
Middle	-4.8%	-14.0%	-18.4%	-8.3%	-17.3%	-11.8%
High	-16.4%	-10.3%	1.7%	-5.8%	2.4%	-4.0%
Total	-15.0%	-14.6%	-11.1%	-7.5%	-8.1%	-11.0%

¹ Albania, Kosovo, and Serbia simulate the impact of an excise tax increase which would result in a 25 percent price increase;

Table 9.8: Impact of tax and price increase on government revenues (by income group and

totaly						
	ALB ¹	B&H ²	KSV ¹	MNE ³	NMK ²	SRB ¹
Low	1.1%	-6.4%	18.9%	9.9%	8.4%	3.5%
Middle	32.1%	3.3%	15.9%	10.5%	1.3%	16.3%
High	15.9%	7.7%	44.4%	13.5%	25.5%	26.7%
Total	17.9%	2.5%	26.2%	11.3%	12.6%	17.4%

Albania, Kosovo, and Serbia simulate the impact of an excise tax increase which would result in a 25 percent price increase; ² B&H and North Macedonia simulate impact of a 25 excise tax increase; ³ Simulation for Montenegro includes both changes in specific and ad valorem excise, resulting in 15.8 percent increase in price

Key Research Findings:

- First estimates of price elasticity of cigarette demand in the region, using time-series and household expenditure data
- An excise tax increase would result in a decrease in cigarette consumption across all countries
- Low-income groups would have the most intensive response to a large tax and price increase on tobacco products
- An excise tax increase would result in increased government revenue from tobacco taxation across all countries

²B&H and North Macedonia simulate impact of a 25 percent excise tax increase;

³ Simulation for Montenegro includes both changes in specific and ad valorem excise, resulting in 15.8 percent increase in price

Southeastern Europe















- Regional survey on tobacco use, representative by country
- Regional analysis of price elasticity of demand
- Country-specific estimates of size of illicit cigarette market
- Econometric analysis of determinants of illicit cigarette use











Social Policy and Development Centre -Pakistan



Key Research Findings:

- Reductions in tobacco use resulting from effective tobacco control policies would lead to a net increase in employment in Pakistan
- Pakistan's tobacco industry underreported cigarette production by 47% and 27% in fiscal years 2016-17 and 2017-18, respectively
- Revenue lost due to underreporting including GST is Rs 37 billion
- Revenue lost due to the three-tiered structure was Rs 42.5 billion in the fiscal year 2017-18





Social Policy and Development Centre - Pakistan



- More comprehensive assessment of macroeconomic impacts of tobacco taxation and tobacco control
- Crowding out analysis of tobacco's impact on household spending
- Survey to assess impact of past tax reforms, including re-introduction of and subsequent elimination of low-tax third tier





Pakistan Institute of Development Economics - Pakistan





Key Research Findings:

- Price elasticity of demand for cigarettes in Pakistan is -1.07, a 10% increase in the price will decrease demand by an estimated 10.7%
- Increase in price of PKR 40.95 would reduce the number of adult smokers by 2.4 million, reduce premature deaths by 800,000, discourage 120,000 young smokers
- The total reduction of smokers from proposed reform is 2.6 million people with an additional PKR 13 billion in revenue





Pakistan Institute of Development Economics - Pakistan



- Original data collection to estimate direct and indirect economic costs of tobacco use in Pakistan
- Estimation of extent of switching between tobacco products in response to changes in relative prices



<u>Development and Research Policies</u> Center - Vietnam



Key Research Findings:

- to purchase 100 packs in 1994 vs. 5.2% in 2017; real cigarette prices fell 40% between 1994 and 2007
- Illicit cigarettes accounted for 13.7% of total cigarette consumption in 2017, which is consistently lower than the estimate of 20.7% from a previous study conducted in 2012 using the same methodology which showed a decline in illicit trade despite tobacco tax increases during the five preceding years



Institute of Public Policy Management <u>-</u> Vietnam



Key Research Findings:

- The tax increase in Vietnam in 2016 on cigarettes from 65% to 70% of wholesale prices did not lead to a net increase in illicit cigarettes trade
- Government has the opportunity to raise taxes on cigarettes to reduce prevalence

Development and Research Policies Center - Vietnam



- Discrete choice experiment to assess the impact of new specific cigarette tax on smoking behavior and brand choice
- Qualitative examination of tobacco production in Vietnam and supplyside impacts of potential privatization of cigarette production





BRAC Institute of Governance and Development - Bangladesh



Key Research Findings:

- Demand for cigarettes and biris in Bangladesh is highly responsive to price, while demand for smokeless tobacco is less price sensitive
- Tobacco tax increases would improve public health while raising government revenues
- Adoption of a uniform specific tax and reducing the number of cigarette tiers would generate more stable and predictable revenues and would be easier to administer.

Ark Foundation- Bangladesh



- Estimate price elasticity of demand for tobacco products using GATS data
- Estimate consumer behavioral responses to specific taxes on tobacco through a discrete choice experiment





Perkumpalan Prakarsa (The Welfare Initiative for Better Societies) - Indonesia







Key Research Findings:

- The volume of illicit trade cigarettes in Indonesia is less than 2%
- Indonesian households on average spend three to five times more on cigarettes than they spend on education
- If prices of cigarettes were doubled, up to 32% of smokers would try to quit





<u>Center for Indonesia's Strategic</u> <u>Development Initiatives - Indonesia</u>

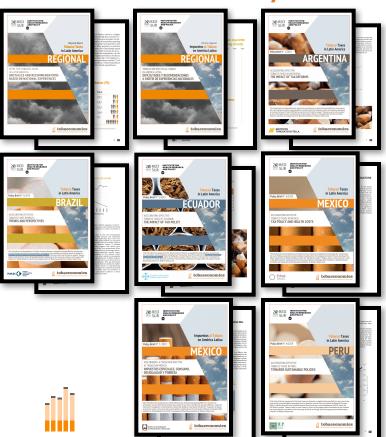


- Estimate the economic costs of smoking in Indonesia
- Examine macroeconomic impacts of tobacco excise tax increases





The South American Network on Applied Economics/Red Mercosur Network



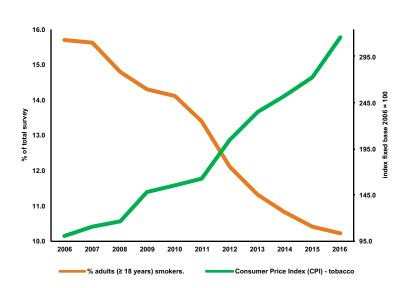
Partners:

- -Argentina: Instituto Torcuato Di Tella (ITDT)
- -Argentina: Universidad Nacional de San Martín (UNSAM)
- -Brazil: Fundação Centro de Estudos do Comércio Exterior (FUNCEX)
- -Ecuador: Pontificia Universidad
- Católica del Ecuador (PUCE)
- -México: Ethos
- -México: Centro de Investigación en Alimentación y Desarrollo (CIAD)
- -Perú: Instituto de Estudios Peruanos (IEP)



The South American Network on Applied Economics/Red Mercosur Network

Adult Smoking Prevalence and Price Brazil, 2006-2016, inflation adjusted



Key Research Findings:

- Higher cigarette taxes and prices lead to significant reductions in smoking across the region
- Controlling the supply chain for inputs into cigarette production important for controlling illicit tobacco in Brazil
- Earmarked tobacco tax (FET) revenues for tobacco growing in Argentina largely subsidize tobacco leaf exporting

Source: Ribeiro and Pinto, 2019



Centro de Estudios Distributivos, Laborales y Sociales - Argentina

New Research:

 Conduct an extended cost-benefit analysis of tobacco tax increases



- Increasing tobacco prices would have a progressive effect and lower-income groups would benefit the most
- When prices increase by 20%, average net income increases by about 4% for lower-income groups dues to avoided medical expenses and higher productivity and income
- Examine macroeconomic impacts of tobacco excise tax increases





Universidade Católica de Brasília - Brazil

New Research:

 Conduct an extended cost-benefit analysis on tobacco excise tax increases



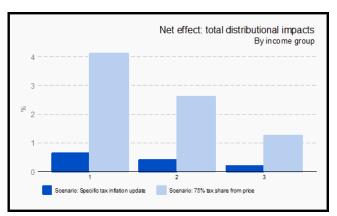
- Increasing tobacco prices would have a progressive effect and lower-income groups would benefit the most
- When prices increase by 10%, average net income increases by 4.24% and 5.13 % for low- and middle-income groups respectively
- Simulate impacts of tobacco excise tax increases and propose the best tax rate for a proposed consolidation of tobacco excises into a centralized VAT





Centro de Investigación Económica y Presupuestaria - México





- Conduct an extended cost-benefit analysis of tobacco excise tax increases
 - Increasing tobacco prices would have a progressive effect and lower-income groups would benefit the most
 - Updating the tax for inflation increases net income by 0.6% for lower-income group
 - Increasing tax to reach the 75% total tax to retail price share, income increases by 4% for lower-income group due to avoided medical expenses and higher productivity
- Create a "Fiscal Simulator" to evaluate the effects of changes in tobacco taxation on the Mexican budget.





Centro de Investigación en Alimentación y Desarrollo A.C. - México



Table 2. Effect on food poverty: tobacco tax reform of 1.35 pesos per cigarette.

SCENARIO	HOUSEHOL	DOVERTY		
SCENARIO	QUANTITY	%	POVERTY	
No transfer	5,015,133	14.9	-40.1%	
Transfer	3,005,440	8.9		

Note: Values estimated using 2016 GDP. **Source:** Own work based on LATINMOD and CONEVAL 2016.

- Conduct tax-benefit microsimulation model (based on EUROMOD) to simulate alternative tax scenarios
 - Tax increases have a higher impact in reducing consumption and increasing revenue collection. CIAD's results are consistent with CIEP's results.
 - If tobacco excise revenue is earmarked for poverty reduction, it would have a large impact.
- Examine the macroeconomic impacts of tobacco excise tax increases



Institute of Peruvian Studies - Peru



- Conduct extended cost-benefit analysis on tobacco excise tax increases
 - Initial findings suggest that increasing tobacco product prices by 10% would increase net income by 2.26% of the lower-income group due to avoided medical expenses and higher productivity and income

Centro de Análisis y Difusión de la Economía Paraguaya - Paraguay

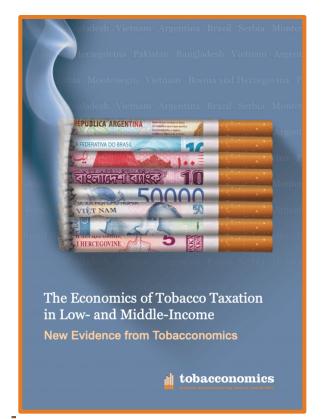


- Analyze the supply chain of tobacco products in Paraguay and its impacts on other countries, especially Brazil
- Estimate price and income elasticities of the demand for tobacco products in Paraguay





Tobacco Control Supplement (forthcoming)



Papers:

- Think Tank Capacity Building for Economic Analysis on Tobacco: Experiences and Lessons Learned (Tobacconomics)
- Macroeconomic Impacts of Cigarette Consumption in Pakistan (SPDC)*
- Impact of Recent Tobacco Tax Reforms in Argentina (ITDT)
- Tobacco Price Elasticity in Bosnia and Herzegovina: Micro Data Analysis (UBL)
- Discrepancies in the Brazilian Tobacco Production Chain: Raw Inputs, International Trade and Legal Cigarette Production (FUNCEX)
- Accelerating Progress on Effective Tobacco Tax Policies in Montenegro (ISEA)
- Estimating the Price Elasticity for Cigarette and Chewing Tobacco: Evidence from Micro-Level Data in Pakistan (PIDE)
- Tobacco Price Elasticity in Serbia: Evidence from a Middle-Income Country with High Prevalence and Low Tobacco Prices (IES)
- Crowding-Out Effect of Tobacco Expenditure in Vietnam (DEPOCEN)





Summary of the Key Research Findings

- **Price elasticity** of demand for cigarettes ranged from -0.441 (Argentina) to -1.07 (Pakistan) meaning that a 10% increase in prices would reduce consumption between 4.41% to 10.7%
 - With the exception of Mexico, lower-income populations are more sensitive to price increases relative to higher-income groups
- Tax increases are progressive: Higher-income groups would bear more of the increased tax burden than lower-income groups
- Increasing excise taxes on tobacco products would increase government revenues
- Tobacco industry's contribution to economies is small
- Economic costs from smoking are significant
- Estimates of illicit trade cigarettes lower than estimates for previous years in Indonesia and Vietnam
 - Increasing excise taxes on tobacco products did not increase illicit trade
 - In Pakistan, researchers found that in 2016-17, the tobacco industry underreported cigarette production by up to 47%
- Policy Recommendations:
 - Increase taxes according to WHO's recommendation that tobacco excise taxes comprise at 70% of the final retail price
 - Reduce the number of tax tiers
 - Earmark revenues to finance healthcare and tobacco control programs
 - Invest in track and trace mechanisms



Second Project Aim—

Develop/disseminate resources on tobacco taxation to build knowledge and support for tobacco tax policy





Policy Briefs



Policy Brief | October 2018

Tobacco Taxes & Government Revenues

Impact of Tobacco Taxes on

Consumption & Revenues

Increasing Tobacco Taxes Significantly Will Increase Revenues

Introduction

Tobacco use is the leading cause of preventable

deaths gl deaths ea achieved policies, graphic advertis mass m policies reduce t caused b tobacco overall to preventy and redu conseque

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increase taxes wil taxed or reduction enough This poli taxes on shows th increasin policy br increa:

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tobacconomics

Policy Brief | October 2018

Tobacco Control Policies and Employment

Tobacco companies commonly argue that because they contribute to the economy by creating jobs, tobacco control policies, such as increasing tobacco taxes, would significantly hurt overall employment and the economy. However, the empirical evidence suggests the opposite. Tobacco control policies do lead to a decline in tobacco consumption and that may eventually cause a small number of jobs to be lost in the tobacco sector. However, the money saved by consumers from not using tobacco products is then spent on goods and services produced in other sectors, resulting in job gains in those sectors of the economy. Governments also spend new revenues from tax increases typically on labor intensive activities, such as services or infrastructure investments. Moreover, employment in the tobacco sector has been declining regardless of tobacco control policies. These declines are driven by the tobacco industry's strategies to use cost-saving capital

production and privatization. This policy brief discusses the impact of tobacco control policies on employment, based on trends and empirical evidence. The discussion is mainly based on the U.S. NCI and WHO 2016 Monograph, "The Economics of Tobacco and

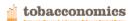
intensive technologies, consolidation of

Trends in Tobacco Employment

Classification of Tobacco Employment Jobs created by the tobacco industry can be either directly, partially, or indirectly related to the tobacco sector. Jobs directly related to tobacco refer to those in tobacco farming and manufacturing. Those that are partially related to tobacco are jobs in wholesale and retail services. Indirectly related jobs or tobaccoexpenditure induced employment include those in other sectors of the economy generated by a multiplier effect of spending the income earned in jobs directly linked to tobacco on other goods and services. Partially and indirectly related jobs are created by all industries, not just the tobacco

Tobacco Farming and Manufacturing Jobs Limited to a Few Countries

In 2000, 65 percent of worldwide tobacco growing was concentrated in only 5 countries, and by 2016, that share has reached 71 percent (Figure 1). In its 2014 report, the International Labor Organization (ILO) estimated a significant decline in employment in most major tobaccogrowing countries during the past couple decades.2 The share of tobacco farming employment in total employment declined for most countries except for India and Zimbabwe (Figure 2), Similarly, more than 80 percent of worldwide tobacco manufacturing jobs were





Khuyến nghị chính sách | Tháng 8, 2018

Tăng thuế suất thuốc lá ở Việt Nam là chưa đủ: cũng cần cải cách cơ cấu thuế thuốc lá



tobacconomics

Policy Brief | August 2018

Tobacco Taxation Can Reduce Tobacco Consumption and Help Achieve **Sustainable Development Goals**

A substantial body of research shows that significantly increasing the taxes and prices of tobacco products is the single most effective way to reduce tobacco use and its devastating health consequences.1 A tax increase that raises prices by 10% can reduce tobacco consumption on average by 5% in low and middle income countries (LMICs).1

Tobacco also poses a threat to development, especially in the LMICs that have the highest rates of tobacco use. The global economic costs from smoking due to medical expenses and lost productivity in 2012 alone totaled over \$1.4 trillion dollars."

Besides the growing recognition of the obvious harmful effects of tobacco on health and healthcare, there is a noticeable international movement recognizing the harmful effects of

tobacco use on sustainable development. The United Nations (UN) 2030 Agenda for Sustainable Development has set 17 Sustainable Development Goals (SDGs) and 169 related targets. One of those targets focuses specifically on tobacco, and urges "strengthened implementation of the Framework Convention on Tobacco Control (FCTC)." The FCTC is an international treaty created under the auspices of the World Health Organization (WHO), It focuses on reducing the demand and supply of tobacco products. In order to finance the SDGs, the Addis Ababa Action Agenda of the Third International Conference on Financing for Development noted that "price and tax measures on tobacco can be an effective and important means to reduce tobacco consumption and healthcare costs and represent a revenue stream for financing for development in many countries".

Raising tobacco excise tax by 1 International Dollar (about US\$ 0.80) in all countries would:









Informe Sobre Políticas Públicas | Abril 2019

Costos económicos del consumo de tabaco

Introducción

El consumo de tabaco causó más de siete millones de muertes a nivel mundial en 2015 (alrededor de cinco millones de hombres y dos consumo de tabaco, especialmente en los PIMB. Los niveles actuales de los impuestos al tabaco no alcanzan a cubrir el verdadero costo del consumo de tabaco para las economías



Policy Brief | October 2019

Large Tax Increases Are the Most Effective Policy for Reducing Tobacco Use

Excise taxes are widely considered a key policy tool in reducing tobacco use,12,345 Many studies from across the world show that tax increases reduce overall tobacco use, lead current users to guit, prevent youth from taking up tobacco, and reduce health and economic consequences.2 Because increased excise taxes increase the price of tobacco products, that makes them less affordable; with income and other factors remaining constant, purchasing the same amount of tobacco products requires more money, and thus an increase in the price leads to a drop in tobacco use.

These findings have led to the recommendation for higher tobacco taxes as a core policy provision by the World Health Organization Framework Convention on Tobacco Control (WHO FCTC).6 Tobacco taxes and tax increases on tobacco products, however, are low in many countries, particularly in low- and middleincome countries (I MICs) Moreover many LMICs have experienced rapid economic growth in the past two decades, and the increased purchasing power of users has kept cigarettes affordable, despite the tax-induced increase in prices.789 Increased affordability of cigarettes contributes to increases in consumption.

This brief recommends that 'large' increases in taxes that reduce the affordability of tobacco products are required to have a significant impact on tobacco use. A 'large' tax increase implies a change that translates into a significant price increase, at the very least, larger than the sum of inflation and per capita income growth.

Impact of Taxes on Tobacco

Tobacco is the leading cause of preventable death in the world, killing approximately eight million people annually.

It is widely recognized that the most effective policy tool in reducing tobacco use is excise tax.18-345 The link between tobacco taxes and tobacco use is grounded in the idea that price is one of the key determinants of tobacco use. Tax increases lead to an increase in the retail price of cigarettes (other factors remaining equal), which subsequently reduces consumption. A large body of literature has examined the impact of prices on tobacco use.25 Evidence indicates that increases in taxes, which are passed on to consumers through price increases, have been found to reduce smoking prevalence as well as the initiation of smoking, and as a result, have decreased tobaccorelated morbidity and mortality.

Though progress has been made in recent years, excise taxes are low in many countries, particularly in LMICs, WHO recommends raising excise taxes to account for at least 70% of the retail price of a tobacco product as a best practice.10 However, reaching this target will require substantial tax increases in most countries. According to WHO's Global Report on Tobacco Epidemic, as of 2018, approximately 178 countries levy some form of excise tax on cigarettes. Only two LMICs (Argentina and Egypt) levy cigarette excise taxes that represent 70% of the retail price of the most sold brand," Excise tax in most LMICs accounts for less than 50% share of the price of a pack of the most sold brand of cigarettes, and nine LMICs do not levy any excise tax.1

Tobacconomics Policy Brief | unsw.tobacconomics.org | @tobacconomics



Tobacconomics Policy Brief | www.tobacconomics.org | @tobacconomic





White Papers



Why Tobacco Control Doesn't Hurt Farmers

Decoupling Domestic Cigarette
Consumption from Leaf Production

Maryam Mirza, German Rodriguez-Iglesias, and Evan Blecher

INSTITUTE FOR HEALTH RESEAR AND POLICY



Policy Brief | September 2019

Why Tobacco Control Doesn't Hurt Farmers:

Decoupling Domestic Cigarette Consumption from Leaf Production

Introduction

The supply and demand of tobacco products are insided at the global level. Domestic tobacco control polices therefore, have no impact on domestic leaf production. Although the tobacco industry consistently argues that tobacco control policies for reduce tobacco use will create a "livelihood crisis" among tobacco farmers by reducing demands for tobacco leaf and driving down tobacco leaf prices, the evidence assument is false.

Tobuco farming in part of a large and complex global supply shain whose structure allows production activities to be distributed between different exterprises and geographically dispersed to locations the bots in their requirements. The global belacous supply chain centers on a small number of multinational compositions and all alignest time overal monopoly in China that perform the munification group of the composition and all alignest time overal monopoly in China that perform the munification group continuous and a large states overal monopoly in China that perform the munification group continuous and a large states overall monopoly in China that perform the munification group and the state of the continuous and the conti

Tobacco farming is highly concentrated in a small group of countries. Ten countries—China, India, Brazil, United States, Indonesia, Zimbabwe, Zambia, Pakistan, Tanzania, and Argentina—produce approximately 80% of global tobacco lea? In the past two decades, the location of tobacco farming has shifted from high-income countries (HICs) to low- and middle-income countries (MIMCs). As of 2016, more than 90% of the world's tobacco leaf is grown in LMICs, with China, the largest producer, accounting for approximately 40% of global tobacco leaf

In most countries, tobacco leaf is produced for global markets. The shift in location of farming activities from HICs to a few LMICs is a result of globalization and trade liberalization4. Lower labor costs and lax regulatory environments mean that production is cheaper in LMICs relative to HICs, which encourages exportoriented production activities, such as tobacco ing. Brazil, Malawi, India, China, and the U.S., some of the largest producing countries, are the top five exporters of tobacco leafs. Four of the five largest importing countries - Russian Federation, Germany, Belgium, and the U.S.: are HICs, China being the only LMIC among the top five importers. In 2014, the top ten net exporters of tobacco leaf, mostly LMICs in Africa, accounted for approximately 12% of the global productions. The only HIC in this group is Italy In the same period, the top ten net importers accounted for approximately 7% of global production⁶. Nearly all net importers are HICs, with Indonesia as a notable exception.

acconomics Policy Brief | uww.tobacconomics.org | @tobacconomics



Illicit Trade in Tobacco Products Need Not Hinder Tobacco Tax Policy Reforms and Increases

Hana Ross and Evan Blecher

INSTITUTE FOR HEALTH RESEARCH AND POLICY

i tobacconomics

Policy Brief | October 2019

What is Illicit Trade?

The WHO FCTC defines illicit

prohibited by law and which

relates to production, shipment,

sale or purchase, including any

practice or conduct intended to

facilitate such activity "Illegal

are called tax evasion, as they

intend to evade paying all or

cigarettes, illicit white cigarettes

mechanisms and may often only

be available as a result of poor

policy and or administration

shopping, forestalling, and

attributes. It is important to

recognize that while there is a

and tax avoidance, they are

purpose: to reduce tax liability

often evaluited for the same

health and fiscal policy

manipulation of product

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Illicit Trade in Tobacco Products Need Not Hinder Tobacco Tax Policy Reforms and Increases

One of the most effective and cost-effective measures to reduce tobacco use is the use of price and tax measures to reduce demand. Higher taxes that lead to higher tobacco product prices have been proven to improve public health, increase government revenue, and reduce the macro economic burden associated with tobacco use;

A primary point of opposition to increasing tobacco taxes is the fear that increases in tobacco taxes will result in illicit trade and undermine tobacco control efforts. The policy brief summarizes five key arguments regarding illicit trade.

 The tobacco industry uses illicit trade to argue against tax increases, arguing that increases in tobacco taxes will lead to increases in illicit trade, which, in turn, will undermine public health and fiscal policy objectives.

The tobacco industry publicly expresses concern about the impact illicit trade has on the amount, stability, and predictability of powermental excise tax revenues. The industry offers its "expertise" to help governments establish "optimal" excise tax rates and structures. However, common industry tactios include (but are not limited to).

- Participating in large-scale tax evasion by orchestrating cigarette smuggling into a country to pressure governments into lower tobacco taxes
- Supplying international brands via illegal channels as a market entry strategy
- Citing the presence of illegal tobacco to demand less stringent tobacco control policies and/or to prevent tobacco tax increases
- Establishing credible front groups to give the impression of widespread independent support for its fight against illicit trade
- · Making deals with governments to control illicit trade

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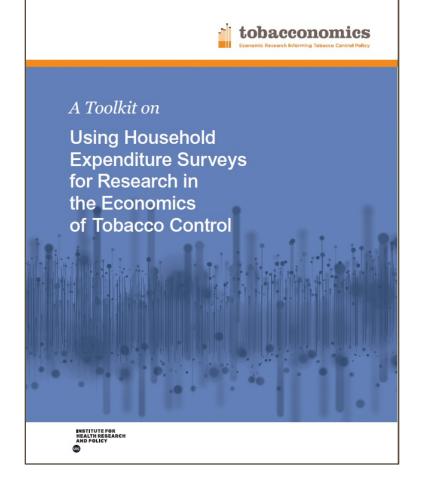


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Tobacconomics Toolkits

- Practical Toolkits on Economic Analysis
 - Using Household Expenditure Surveys for Research in the Economics of Tobacco Control
 - Methods for Measuring Illicit Trade*
 - Equity Impact of Tobacco Taxes*
 - Evaluating the Effects of Tobacco Tax Increases*
 - Modeling the Potential Revenue and Public Health Impacts of Tobacco Tax Increases*

*Forthcoming







Third Project Aim—

Strategic engagement with policy makers and tobacco control community to build technical capacity for tobacco tax policy

- UN/ECLAC Annual Fiscal Conference (Santiago, Chile, March 2018 & 2019)
- NCI/CTFK/UIC Economics of Tobacco Control Workshop (Warsaw, Poland, May 2018)
- Vietnam Economists Annual Meeting (Hanoi, Vietnam, June 2018 & 2019)
- APACT (Bali, Indonesia, September 2018)
- IMF/WB Annual Meetings (Bali, Indonesia, October 2018)
- LACEA (Guayaquil, Ecuador, November 2018)
- Pakistan Society of Development Economists Annual General Meeting (December 2018)
- ENSP (Bucharest, Romania, March 2019)
- ECTOH (Berlin, Germany, February 2020)
- International Economics Association (Bali, Indonesia, July 2020)





Future Plans

Creating a new "Institute on Fiscal Policy for Health and Development" at the University of Illinois at Chicago

- Expand geographic scope
- Extend to fiscal policy and other health behaviors and their consequences, including alcohol consumption, cannabis use, diet, and physical activity
- Develop new research agenda around fiscal policy and other challenges to health and development
 - e.g. use of carbon taxes to address climate change







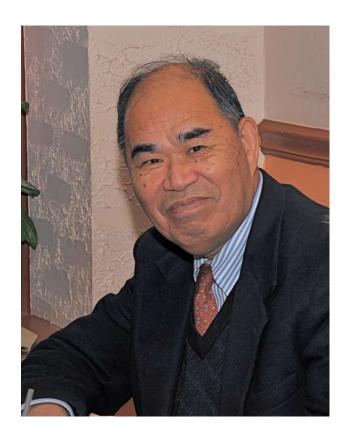
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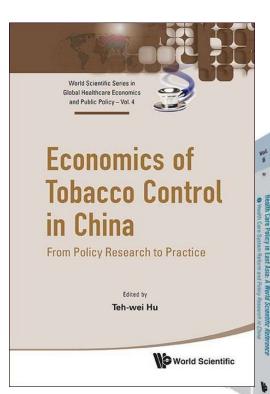
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In Memoriam – Teh-wei Hu - 1937-2020





Reducing Cigarette Consumption in California: Tobacco Taxes vs an Anti-Smoking Media Campaign

Toleran His Phil: Hai You Sung Phil) and Thouslaw E. Koole: Phil)

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Global Health Economics and

Public Policy - Vol. 6

Health Care System Reform

Teh-wei Hu Editor-in-Chief Winnie Chi-Man Yip

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A World Scientific Reference

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