



# **The International Tobacco Control Policy Evaluation Project: Evaluating and Understanding the Impact of Policies of the Framework Convention on Tobacco Control**

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*“Tobacco is the most effective agent of death ever developed and deployed on a worldwide scale.”*

– John Seffrin, President,  
ACS and UICC (2002)

*“Tobacco use is unlike other threats to global health. Infectious diseases do not employ multinational public relations firms. There are no front groups to promote the spread of cholera. Mosquitoes have no lobbyists.”*

– WHO Zeltner Report (2000)







BRITISH AMERICAN TOBACCO UZBEKISTAN

ЧЕКМАСДАН ЁШЛИК  
ГАШТИНИ СУР

*Мен ўз йўлдан  
тамадим!*

Болалар ва ўсмирлар учун  
тарбиявий дастур

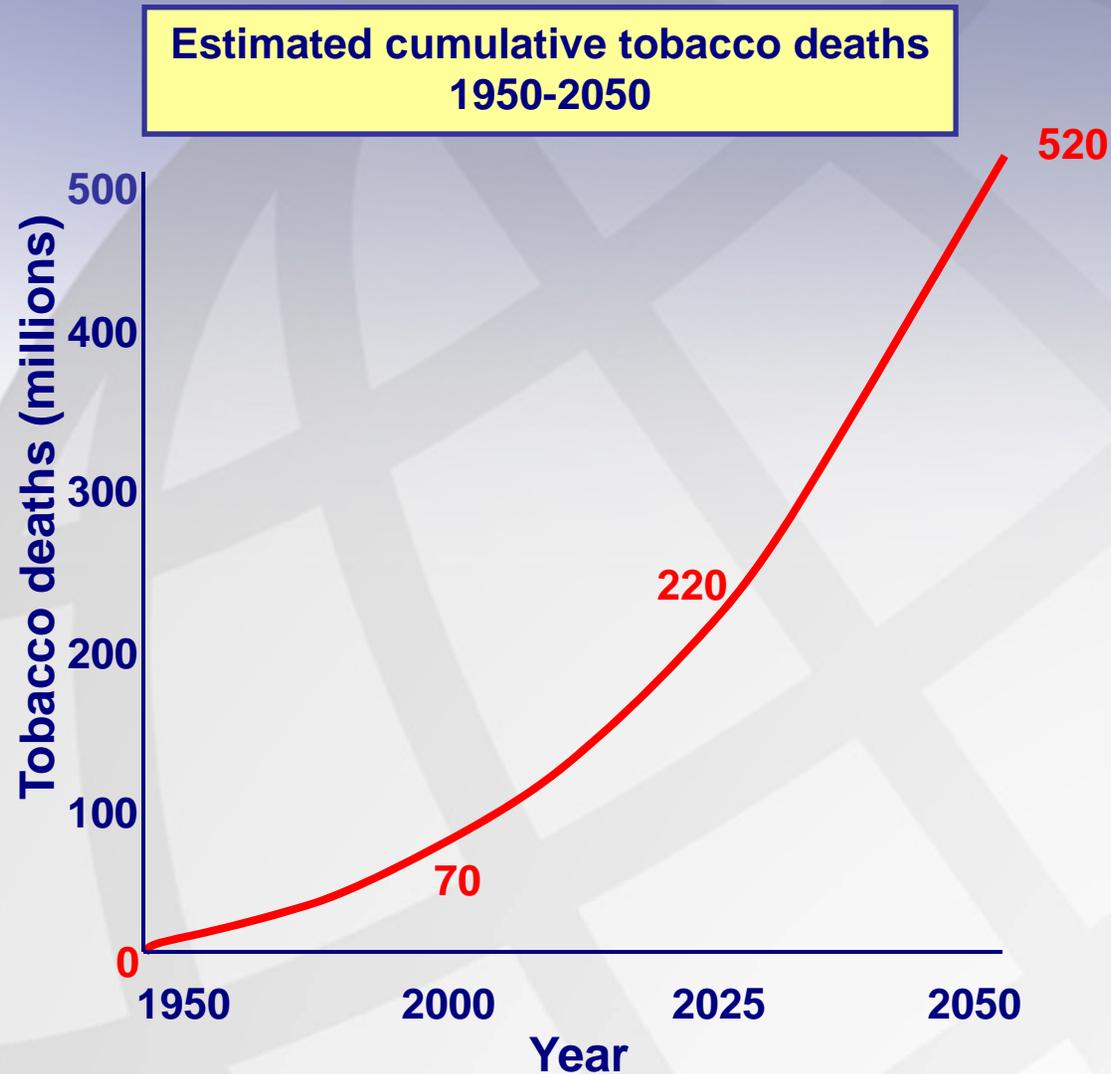
Ўзбекистон Республикаси  
1998-2000







# Facing the Challenge



**What must we do to  
flatten the curve?**

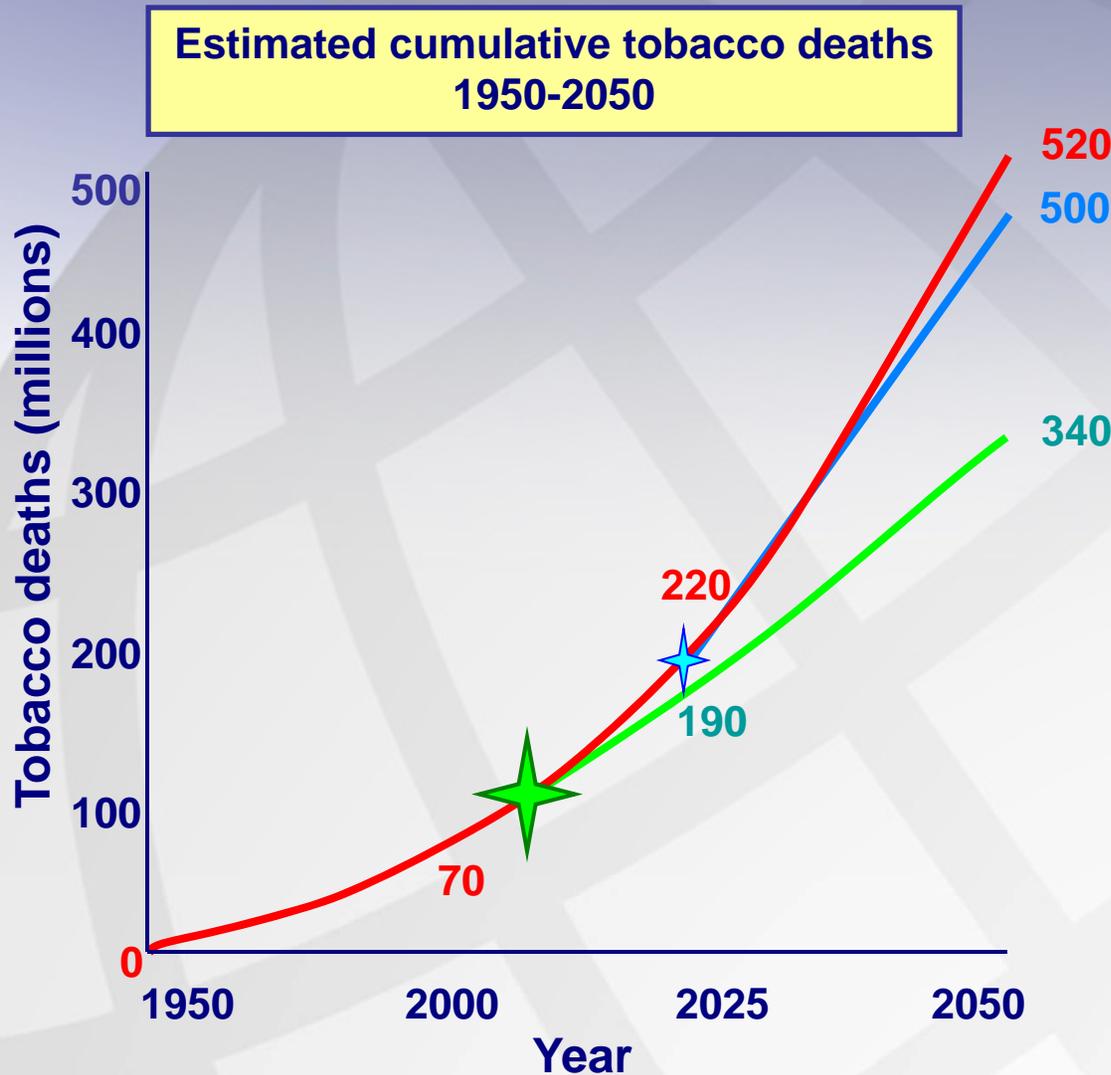
**Population-level  
interventions such  
as FCTC policies**

World Bank. *Curbing the epidemic: Governments and the economics of tobacco control*. World Bank Publications, 1999. p80.

# Demand Reduction Provisions of the FCTC

- ◆ Packaging and labelling (Article 11)
  - Warnings
  - Elimination of misleading descriptors (e.g., “light” “mild”)
- ◆ Advertising, promotion, and sponsorship (Article 13)
- ◆ Protection from exposure to tobacco smoke (Article 8)
- ◆ Price and tax measures to reduce demand (Article 6)
- ◆ Dependence and cessation (Article 14)
- ◆ Education, communication, training, public awareness (Article 12)

# Potential of Policies to Flatten the Curve



Impact of policies depends on factors including:

- Intervention date
- Effect size

World Bank. *Curbing the epidemic: Governments and the economics of tobacco control*. World Bank Publications, 1999. p80.

# Article 11—Warnings and messages

- **should be 50% or more** of the principal display areas but **shall be no less than 30%...**
- **may be** in the form of or include pictures or pictograms
- **shall contain information on relevant constituents and emissions**

***“Each Party shall, within a period of three years after entry into force of this Convention for that Party, adopt and implement, in accordance with its national law, effective measures...”***

**What does “effective” mean?**

**Does size matter? Are graphic images effective?**

# Opportunities Afforded by the FCTC

- ◆ **Opportunity for science:**
  - Time-limited opportunity to study population-based interventions: (1) measure the impact of policies and (2) identify the causal mechanisms for policy impact
- ◆ **Opportunity for evidence-based policy:**
  - Create the evidence base to inform the creation of effective tobacco control policies
  - Determine the relative strength of FCTC policies
  - Counteract disinformation and misinformation from the tobacco industry

# Challenges to Evaluating Policies

- ◆ Not possible to conduct randomized controlled trials (RCTs) on policies
- ◆ But it is possible to evaluate the impact of policies using natural experiments (“quasi-experiments”)
  1. Multiple country comparisons: international studies
  2. Common methods and measures across countries
  3. Cohort studies: focus on impact on individuals

# The International Tobacco Control Policy Evaluation Project



**Canada**



**United States**



**Australia**



**United Kingdom**



**Ireland**



**Thailand**



**Malaysia**



**South Korea**



**China**



**Mexico**



**Uruguay**



**France**



**New Zealand**



**India**



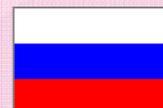
**Netherlands**



**Sudan**



**Bangladesh**



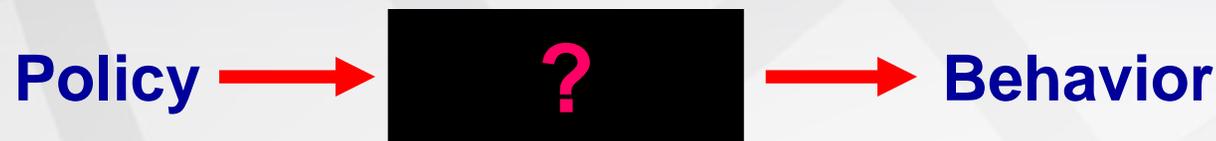
**Russia**



# Research Goals of the ITC Project

**Goal 1: Rigorous evaluation of national-level tobacco control policies of the FCTC:**

**Goal 2: To understand how and why these policies work (if they work)**



**What's inside the black box?**

**Goal 3: Disseminate findings to policymakers**

- Build evidence base for FCTC
- Promote evidence-based policies



International Tobacco Control  
Policy Evaluation Project

# **Warning Labels: Article 11 of the FCTC Evidence from the ITC Project**

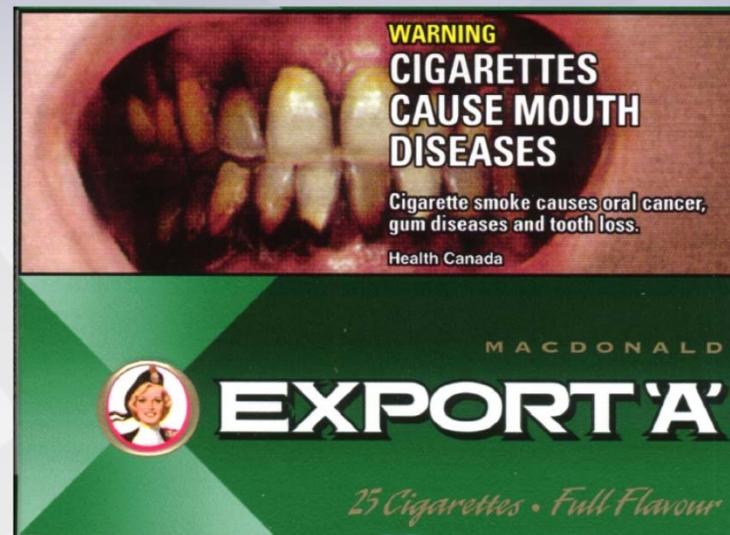
# Warning Labels in the U.S. vs. Canada

## United States



- Since 1984
- 4 messages
- Side of pack

## Canada

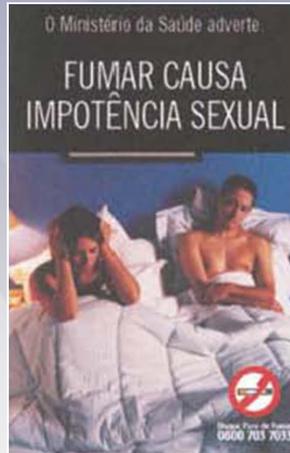


- Since 2001
- 16 messages
- 50% of front and back
- New set coming in 2008

# Examples of Graphic Warnings



Canada (2001)



Brazil (2002)



Singapore (2004)



Venezuela (2005)



Thailand (2005)



Australia (2006)



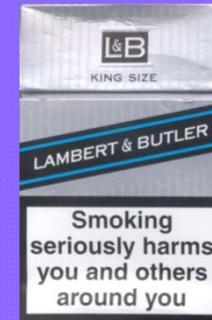
European Union (?)



**October 2002**

**May 2003**

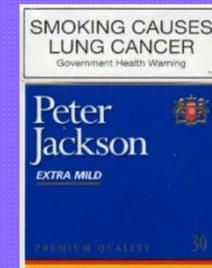
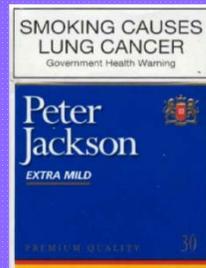
**U.K.**



**Canada**



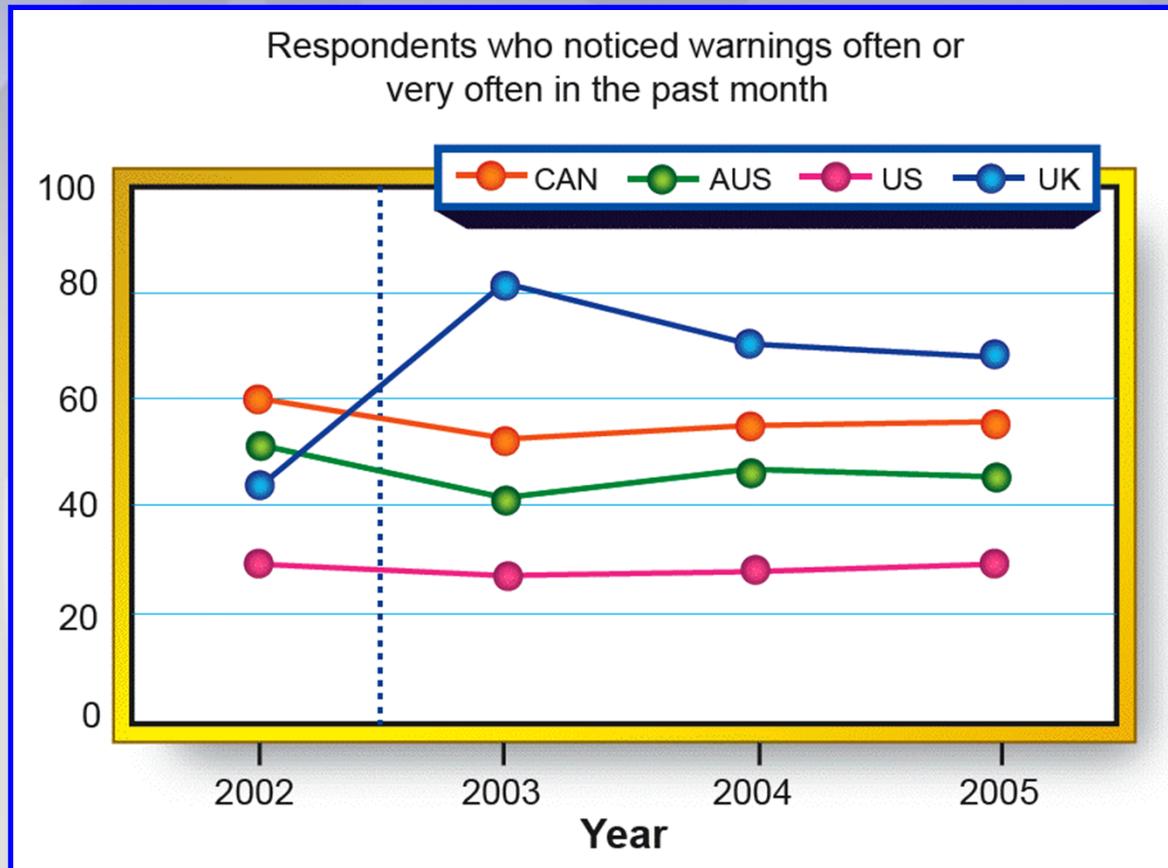
**Australia**



**U.S.**



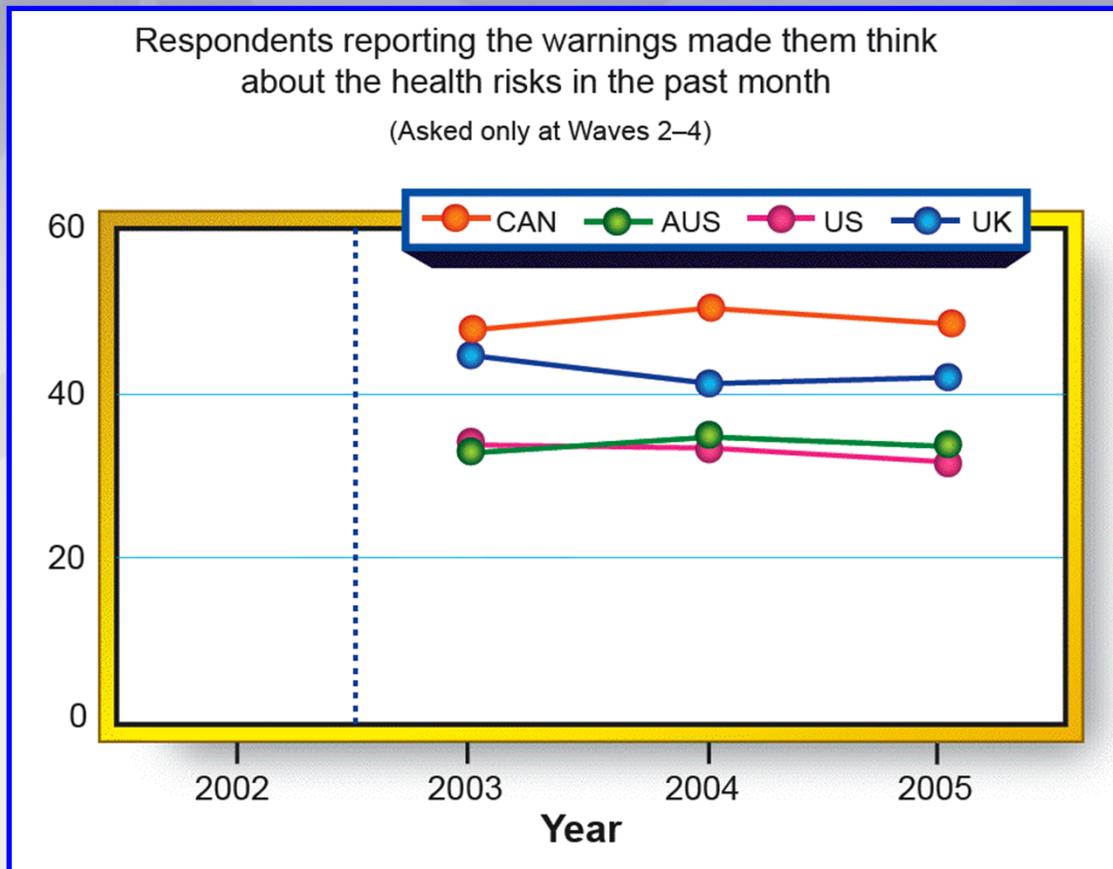
# Enhancing warning labels increases label salience/noticing



Results from  
Hammond et al.  
*Am J Prev Med*  
(2007)  
Released today

The enhancement of warning labels in the U.K. had a huge impact on labels salience/noticing. But this is a measure of noticing, where mere novelty alone would be expected to have a huge effect

# Thinking about the health risks of smoking



Hammond et al.  
*Am J Prev Med*  
(2007)

**Still a significant increase in U.K. compared to the other countries, but not above Canada. Evidence for limitation of effect of mere text/size enhancements relative to graphic elements.**

# Do warning labels increase knowledge?

Smoking causes impotence:	Canada	Aus.	U.K.	U.S.
Wave 1	 <p><b>60</b></p>	<b>36</b>	<b>36</b>	<b>34</b>
Wave 2				

**Only Canada had a warning label about impotence at Wave 1, but then U.K. added an impotence label between Wave 1 and Wave 2**

# Do warning labels increase knowledge?

Smoking causes impotence:	Canada	Aus.	U.K.	U.S.
Wave 1		36	36	34
Wave 2		45	50	33

**Substantial increase in knowledge about impotence in the U.K. compared to the other three countries after the label on impotence was introduced in the U.K.**

**In U.K.: 14% more smokers = About 1.5M smokers**

**In U.S.: 14% more smokers = About 7M smokers**

# Implications for FCTC Implementation

## Minimal Standard vs. Recommendations:

- **should be 50% or more** of the principal display areas but **shall be no less than 30%...**

**should be**

- ~~may be~~ in the form of or include pictures or pictograms

**Results from the ITC Project suggest that countries who implement the FCTC label policy at its highest level will experience greater impact, compared to the minimal standard**

# Warning Labels of Malaysia, Thailand, China



Thailand



Malaysia

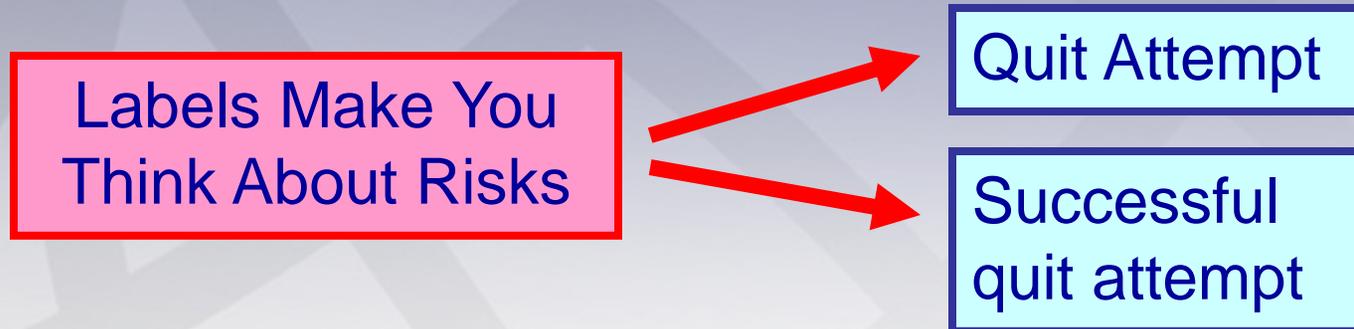


China



United States

# Relationship Between Labels and Quitting



Smokers who report that the labels make them more likely to think about risks of smoking were:

- more likely to **attempt to quit** (OR = 1.14)\*
- more likely to **successfully quit** (OR = 1.89)\*

\* Statistically significant at  $p < .05$

Controlling for Gender, Age, Income, Education, Ethnicity, Prior Quit Attempts, Intentions to Quit

# Concluding Thoughts

- ◆ Population-level interventions are needed to fight the growing tobacco epidemic.
- ◆ FCTC: opportunity for research and for using research to inform policy
- ◆ NCI-supported research is making a difference throughout the world and is creating evidence base for future U.S. efforts

# International Tobacco Control Policy Evaluation Project

<http://www.itcproject.org>

<http://www.roswelltturc.org>



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