

**tobacconomics**

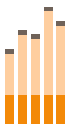
Economic Research Informing Tobacco Control Policy

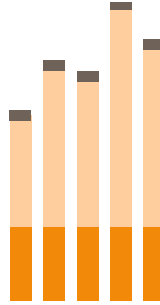
# Fiscal Policy & Health

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Johns Hopkins Bloomberg School of Public Health  
24 January 2018, Baltimore, Maryland

# Overview

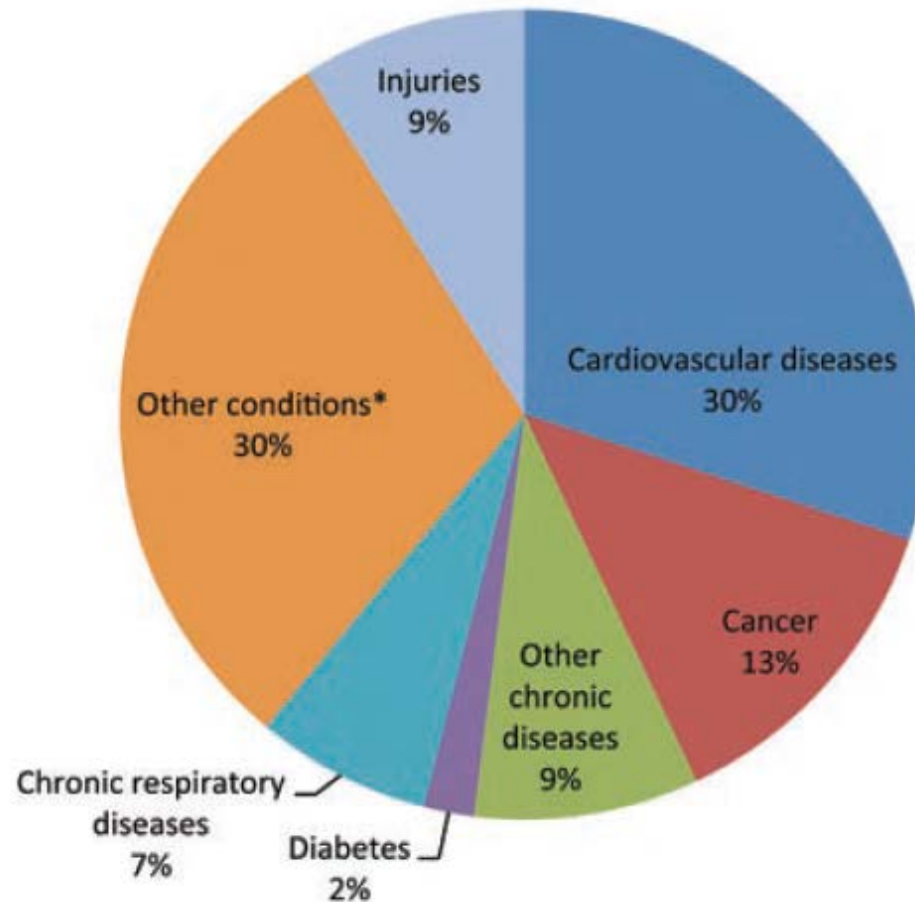
- Health & Economic Impact of Non-Communicable Diseases
- Impact of Tobacco, Alcohol, and Sugary Beverage Taxes on Use and Consequences of Use
- Myths and Facts About Economic Impact of Taxes





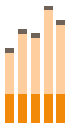
# **Health & Economic Impact of NCDs**

# Leading Causes of Death Globally



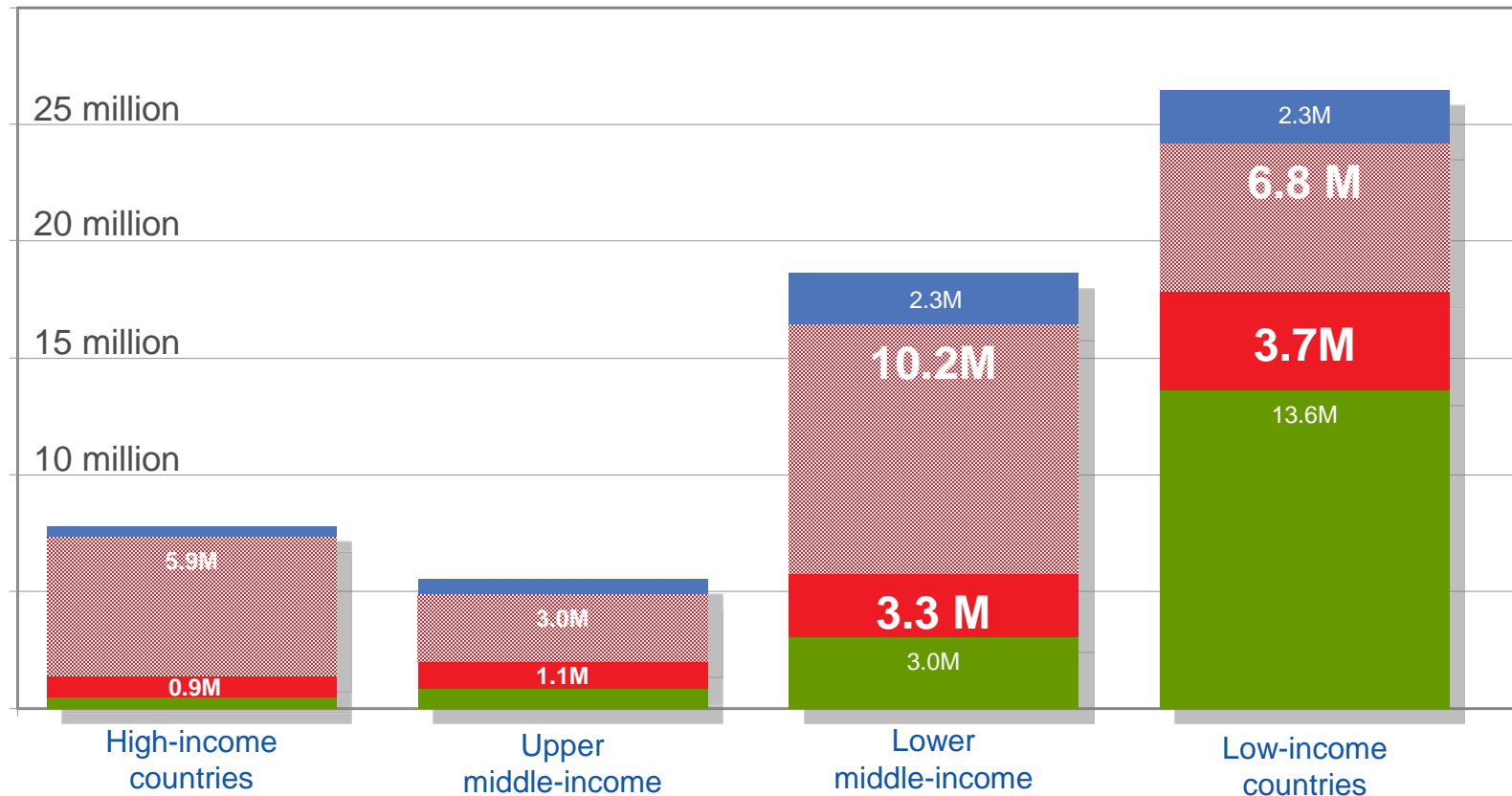
Source: World Economic Forum & Harvard School of Public Health, 2011

Other Conditions include communicable diseases, maternal/perinatal conditions, and nutritional deficiencies

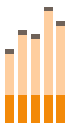


# Total Deaths by Income

Source:



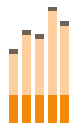
- Group III - Injuries
- Group II - Other deaths from noncommunicable diseases
- Group II - Premature deaths from noncommunicable diseases (below the age of 60), which are preventable
- Group I - Communicable diseases, maternal, perinatal and nutritional conditions



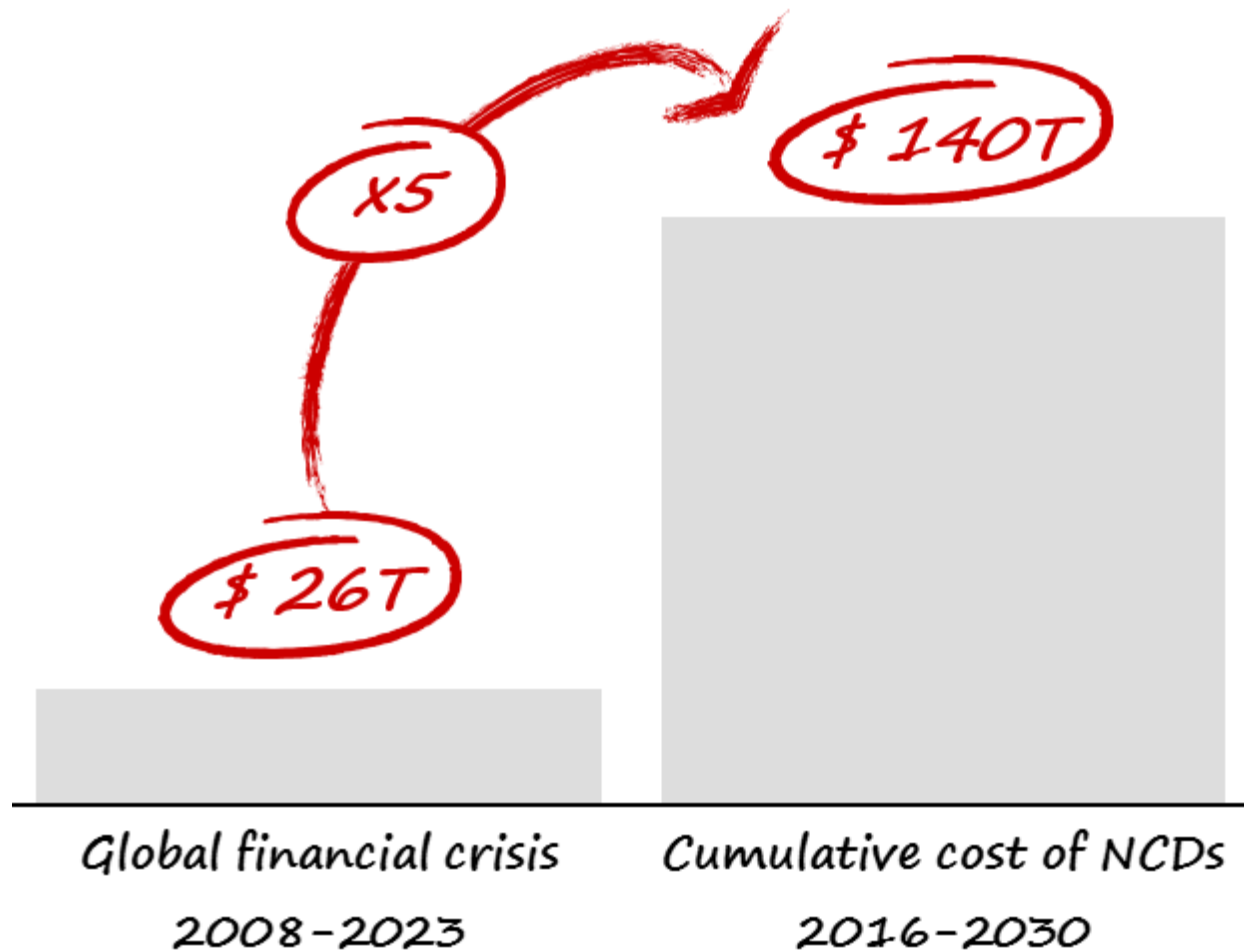
Source: WHO 2010

# Economic Consequences of NCDs

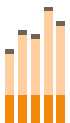
- **Large economic burden from NCDs:**
  - Considerable, growing health care costs from treating NCDs
  - Significant lost productivity
  - Cause of poverty
  - Account for much of inequalities in health



# Significant Economic Costs

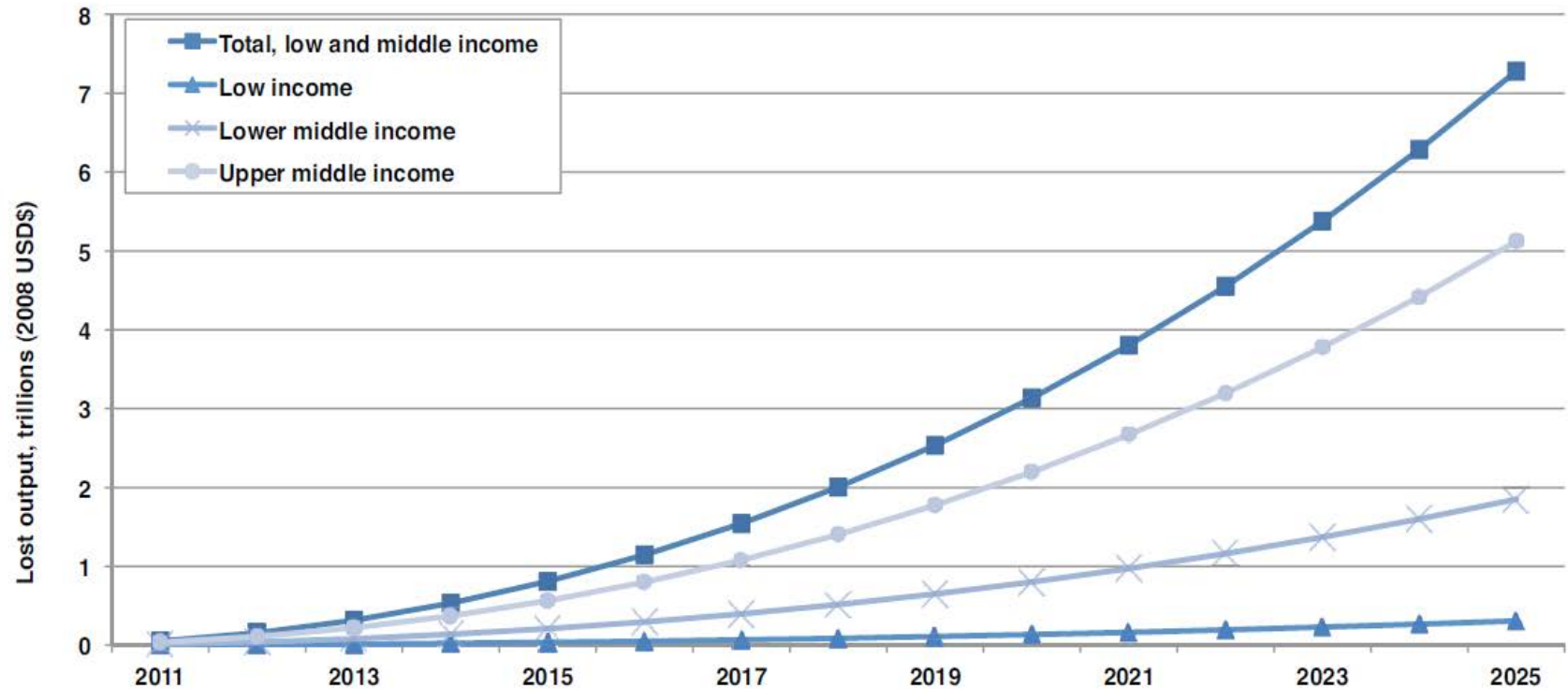


Source: World Economic Forum & Harvard School of Public Health



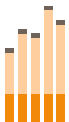
# Growing Economic Costs

Figure 2: Cumulative NCD loss, beginning in 2011



Source: Based on The Global Economic Burden of Non-communicable Diseases  
– Prepared by the World Economic Forum and the Harvard School of Public Health (2011)

Source: World Economic Forum & Harvard School of Public Health, 2011

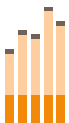


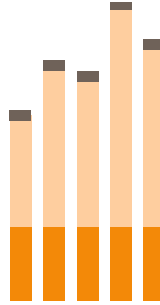


# NCDs: Major Risk Factors

Major NCD	Major modifiable causative Risk Factors			
	Tobacco Use	Unhealthy Diet	Physical Inactivity	Harmful Use of Alcohol
Heart Disease & Stroke	✓	✓	✓	✓
Diabetes	✓	✓	✓	✓
Cancer	✓	✓	✓	✓
Chronic Lung Disease	✓			

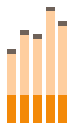
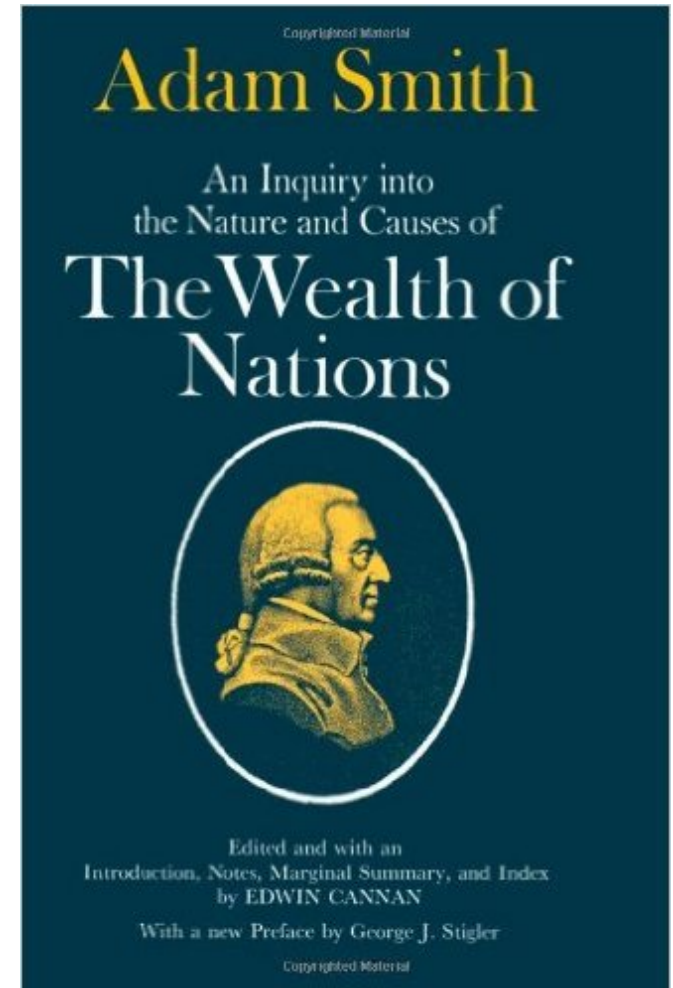
Source: WHO, 2010; Mackay, 2012





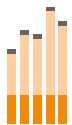
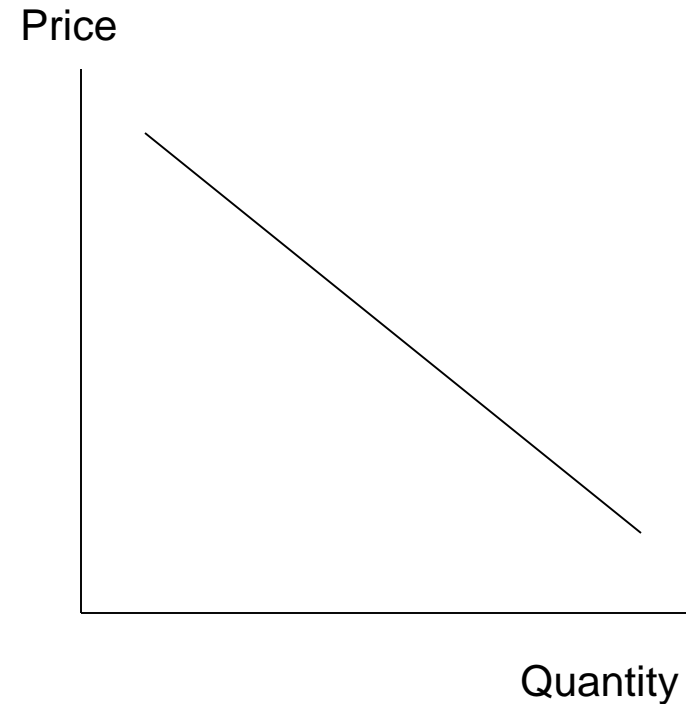
# **Impact of Taxes & Prices on Unhealthy Behaviors**

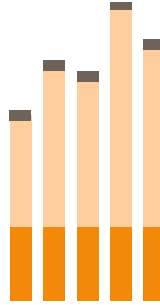
**"Sugar, rum, and tobacco, are commodities which are no where necessaries of life, which are become objects of almost universal consumption, and which are therefore **extremely proper subjects of taxation.****



# Economics 101

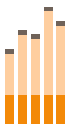
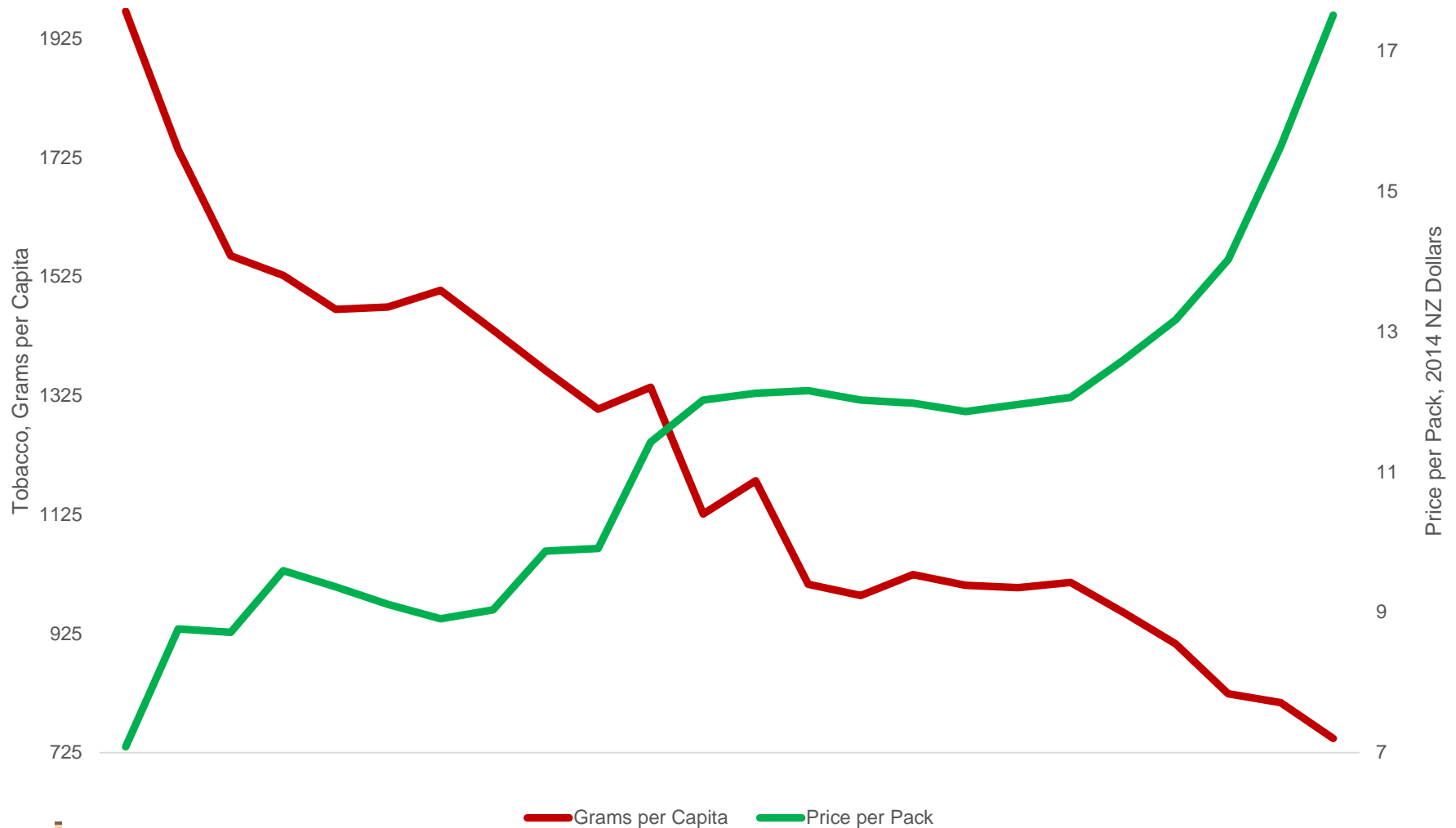
- **Law of the downward sloping demand curve:**
  - Increase in price leads to reduction in the quantity consumed and vice-versa
- **Price elasticity of demand**
  - Percentage reduction in quantity demanded resulting from one percent increase in price





# **Taxes, Prices & Tobacco Use**

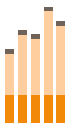
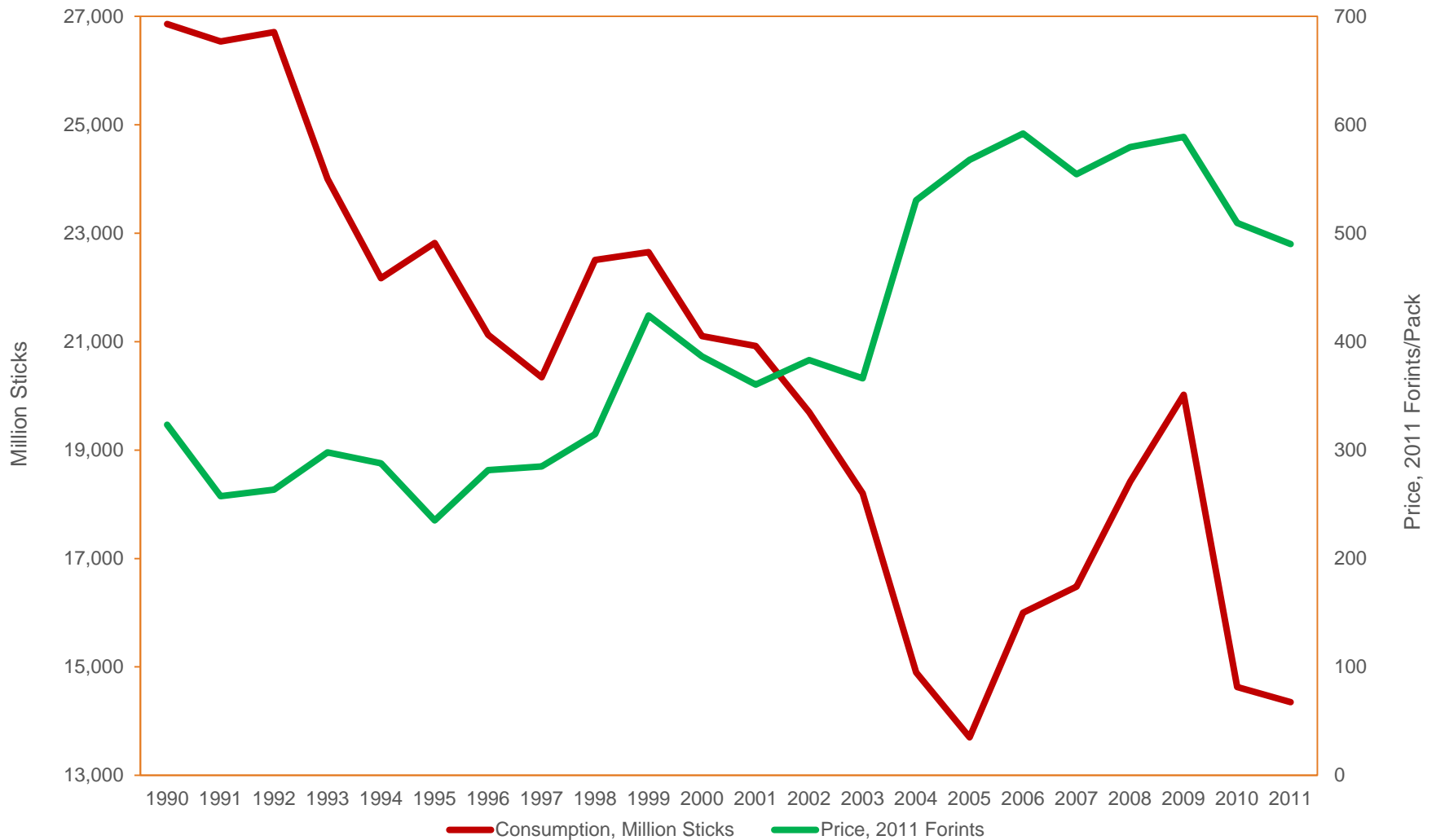
# Tobacco Consumption and Cigarette Prices New Zealand, 1990-2013, Inflation Adjusted



Sources: EIU, World Bank and OECD

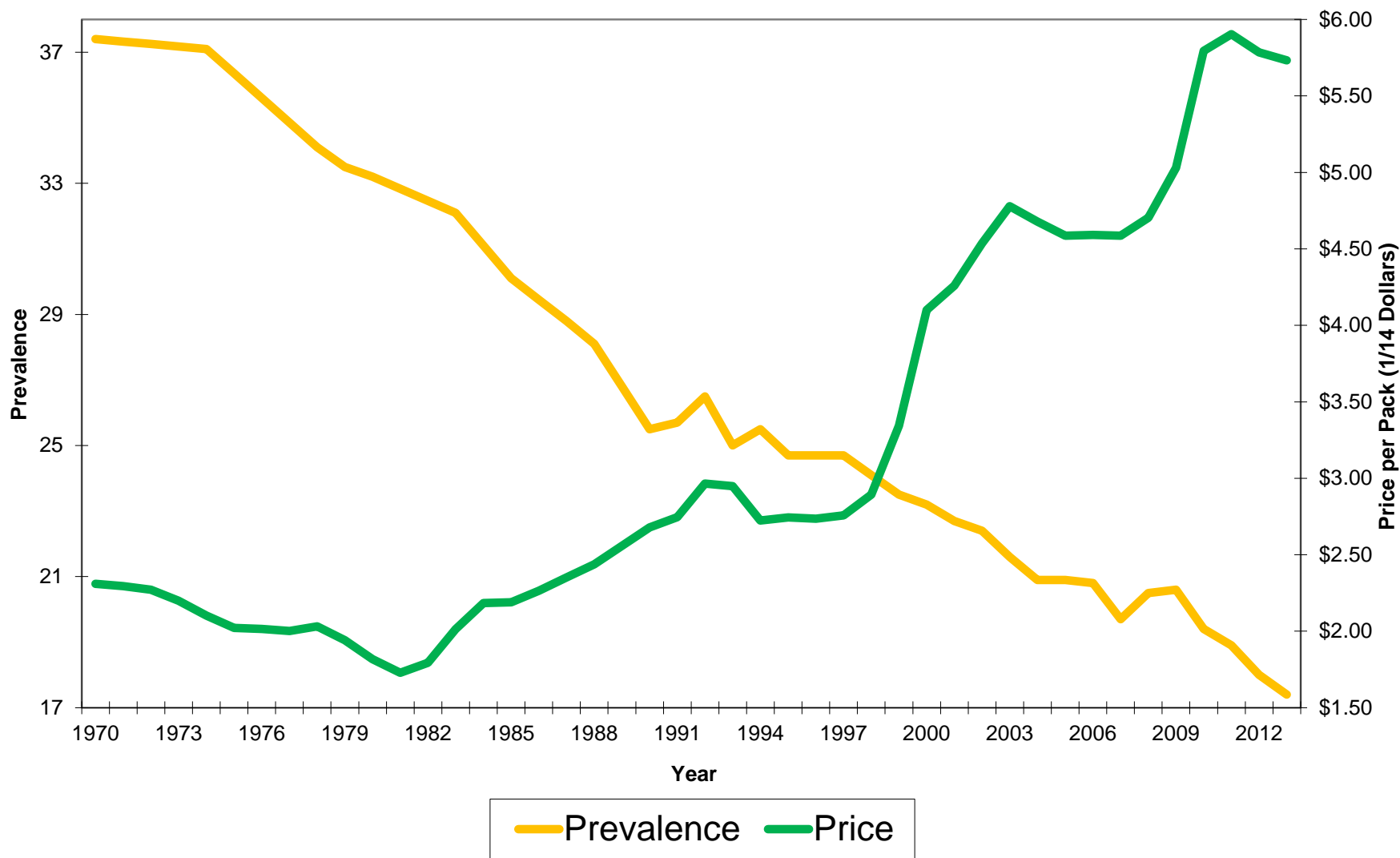
# Cigarette Price & Consumption

## Hungary, 1990-2011, Inflation Adjusted

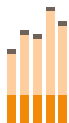


Sources: EIU, ERC, and World Bank

# Cigarette Prices & Adult Smoking Prevalence United States, Inflation Adjusted 1970-2013



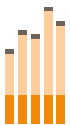
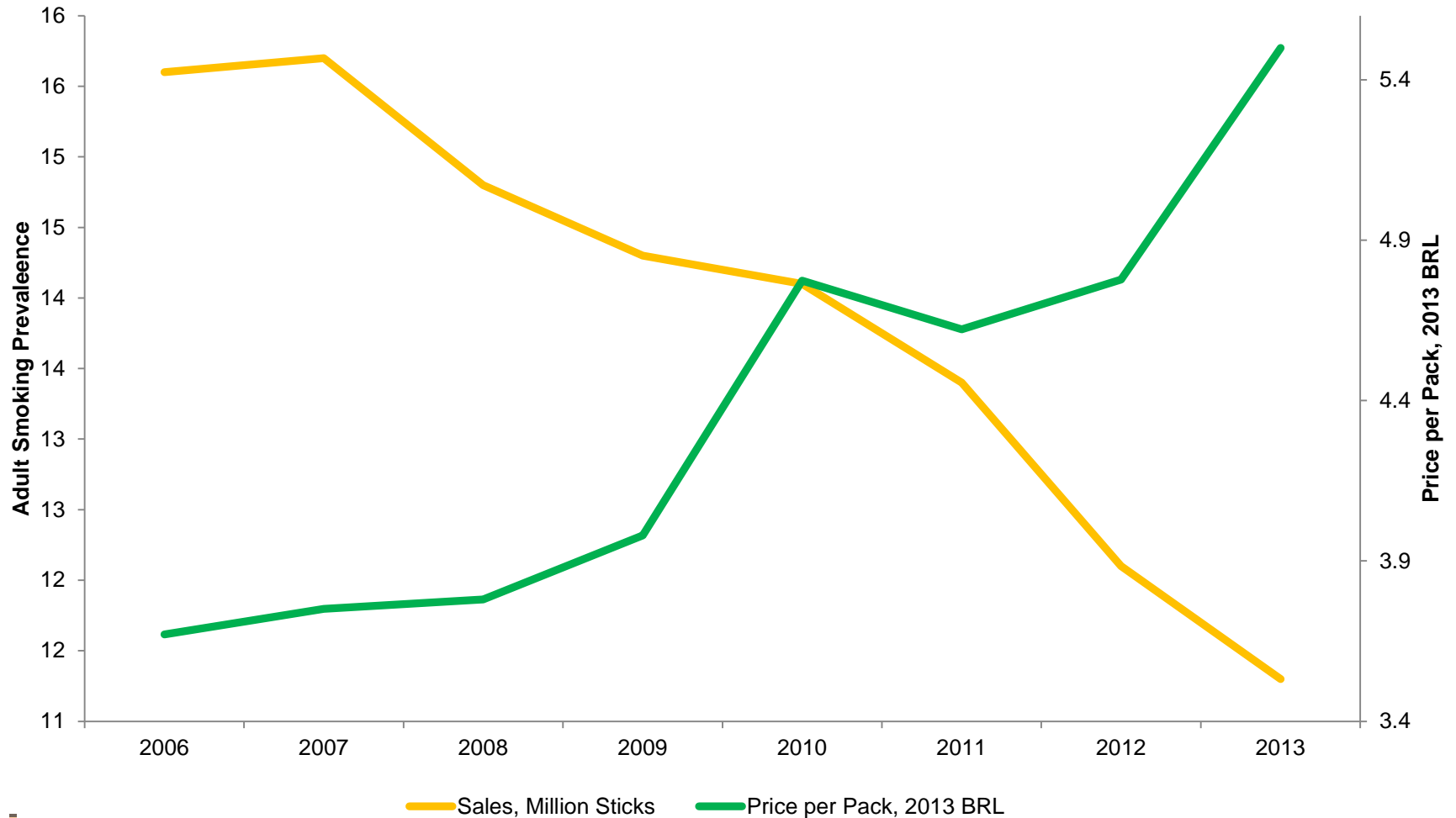
Sources: *Tax Burden on Tobacco*, BLS, NHIS, and author's calculations





# Adult Prevalence & Price, Brazil

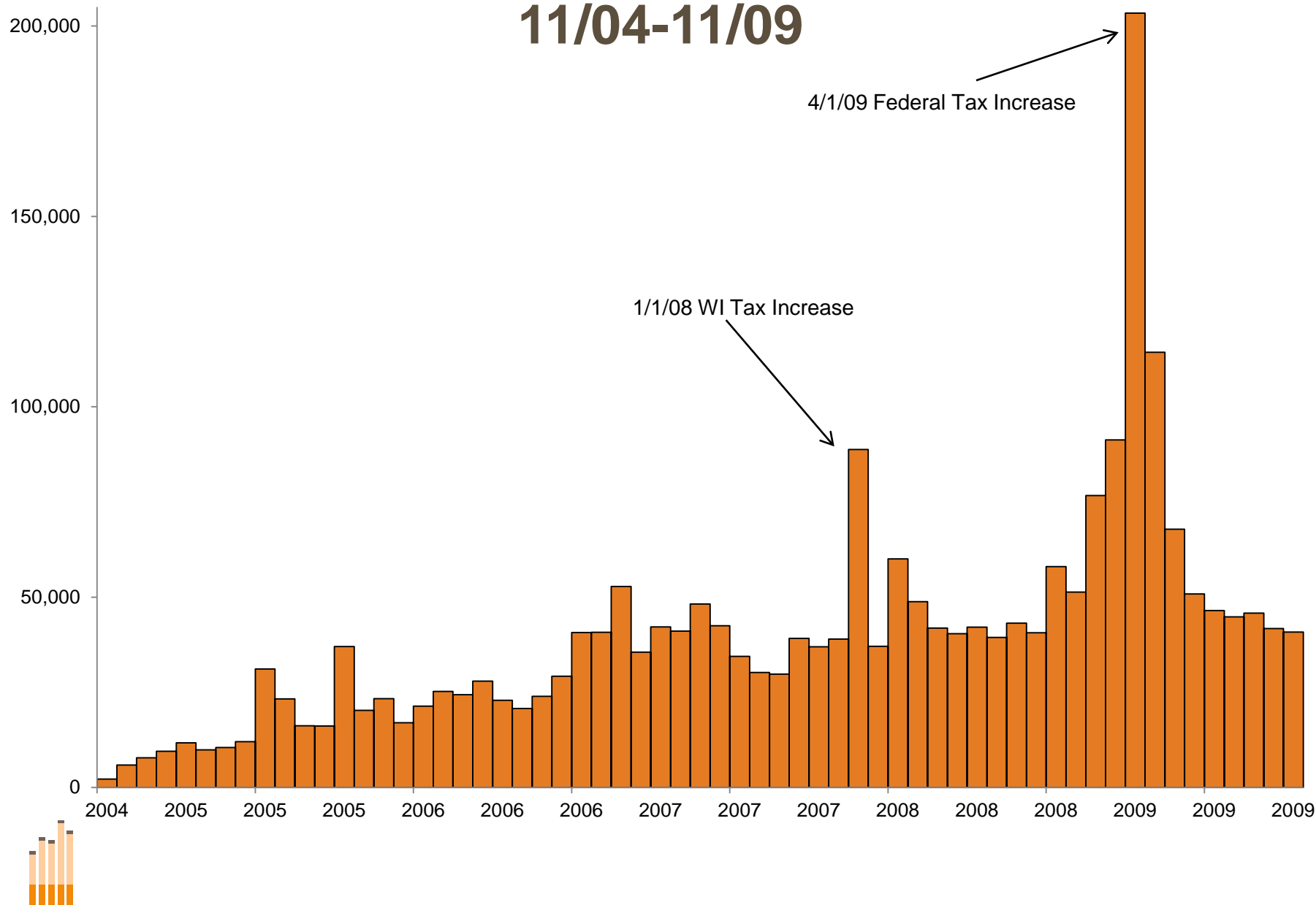
Adult Smoking Prevalence and Cigarette Price  
Brazil, Inflation Adjusted, 2006-2013



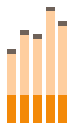
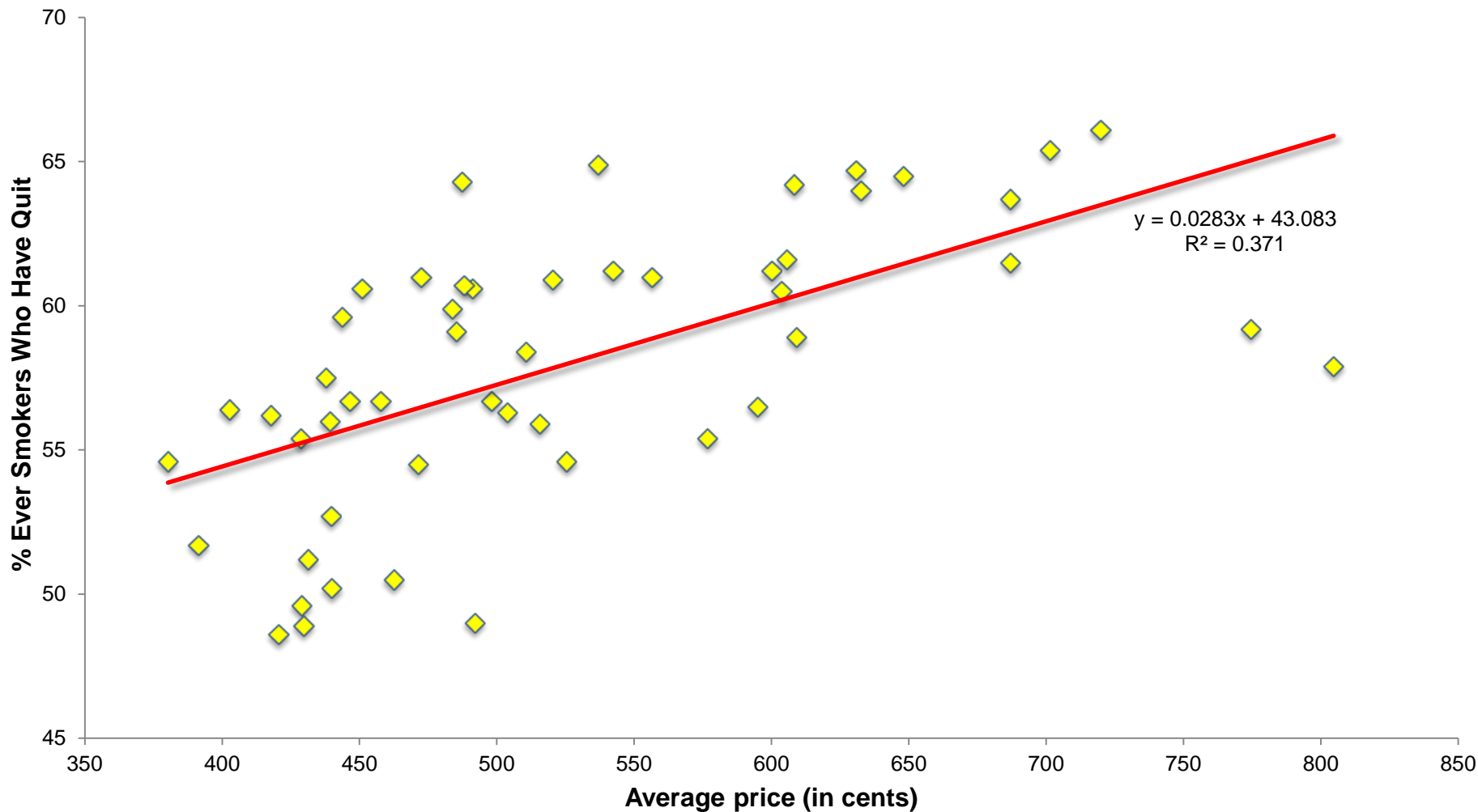
Sources: Ministry of Health, Brazil; EIU; World Bank

# Monthly Quit Line Calls, United States

## 11/04-11/09

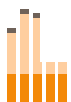
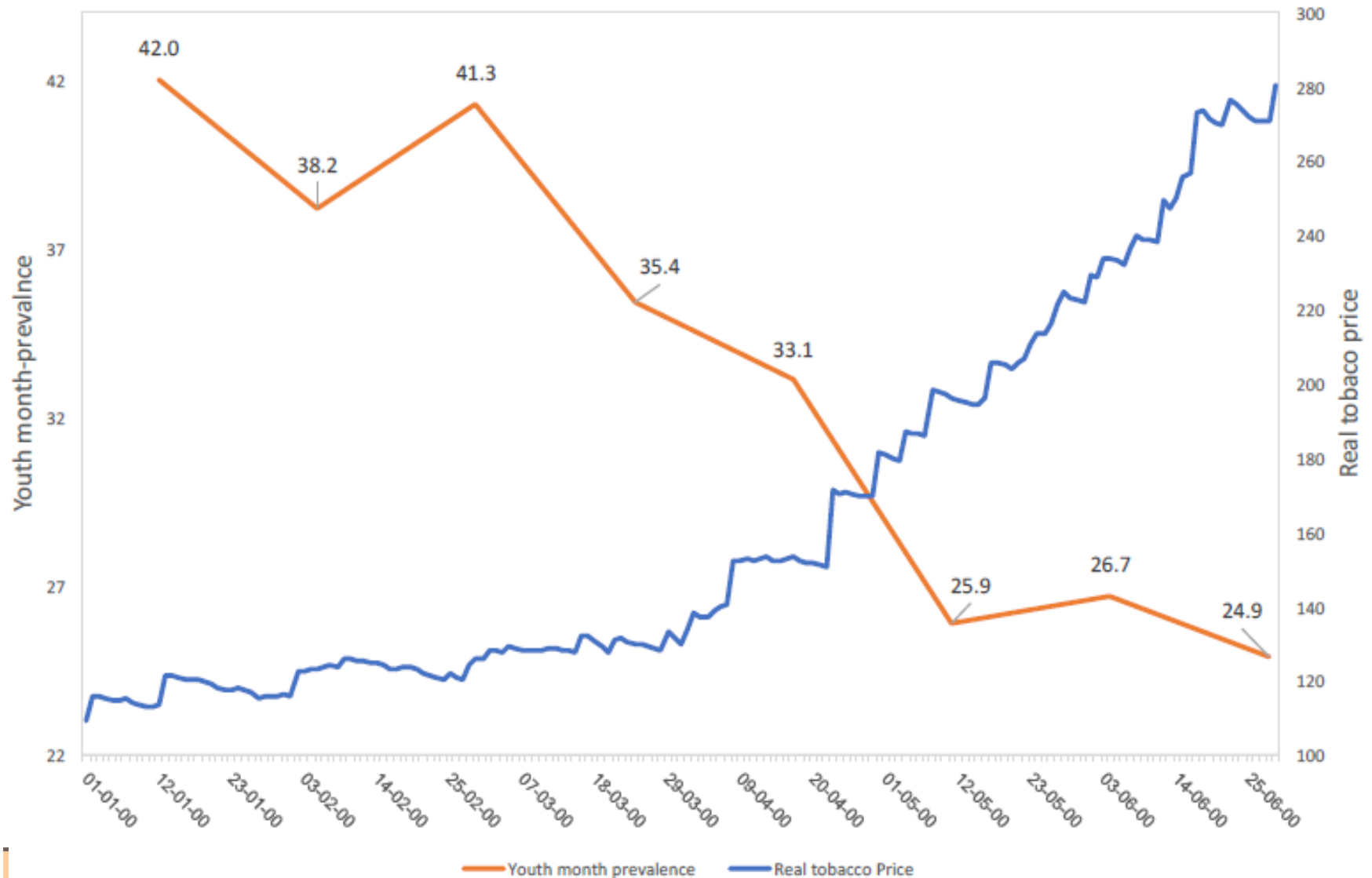


# Cigarette Prices and Cessation US States, 2009



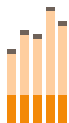
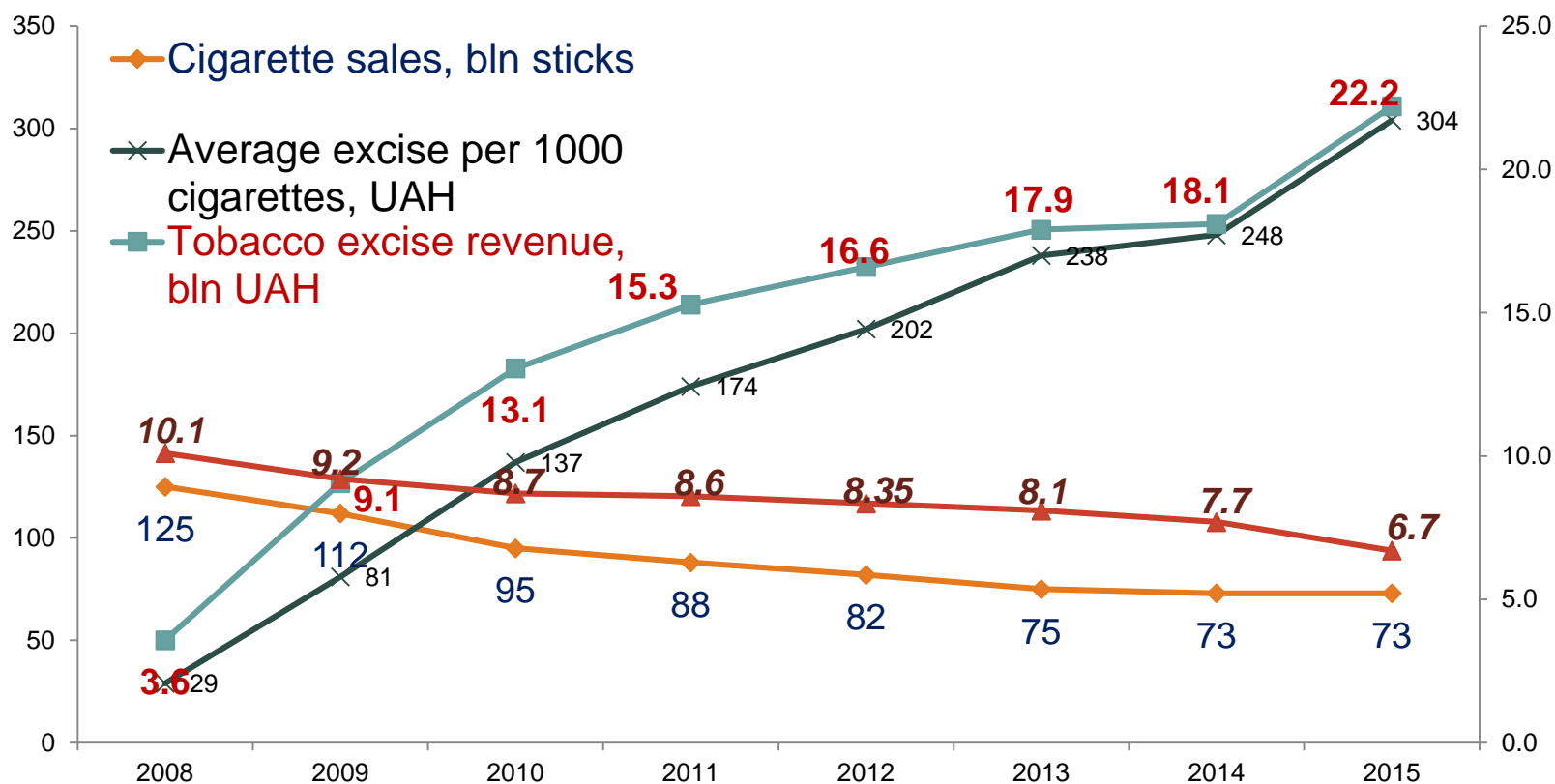
Source: BRFSS, *Tax Burden on Tobacco*, 2010, and author's calculations

# Cigarette Price & Youth Smoking Prevalence Chile, 2000-2015

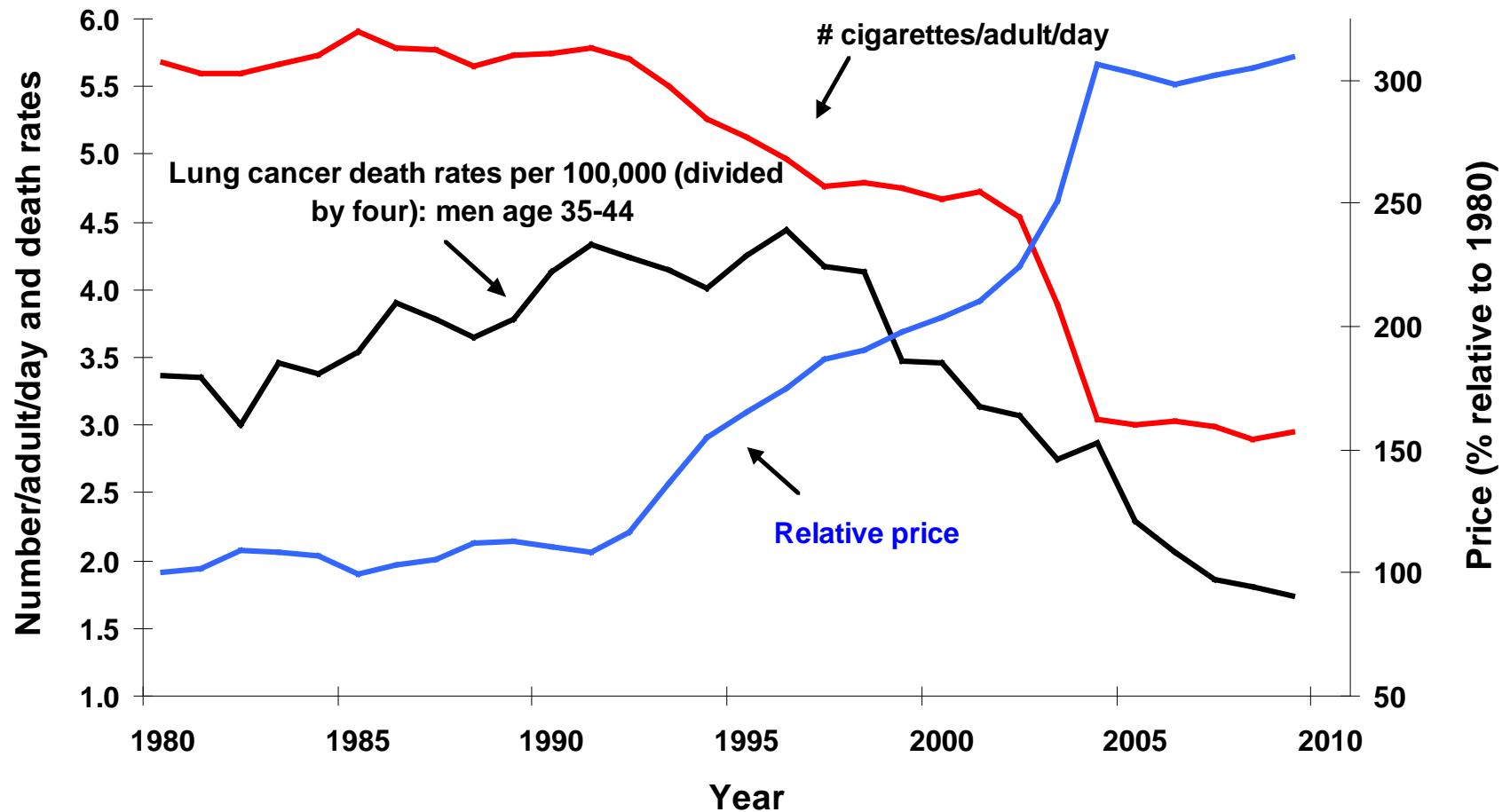


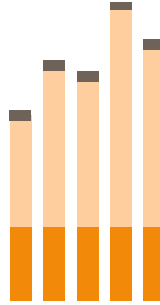
# Tobacco Taxes in Ukraine, 2008-2015

Average excise rate for cigarettes – increased 10-fold  
 Annual tobacco excise revenue – increased 6-fold  
 Cigarette sales – decreased by 40%  
 Daily smoking prevalence - decreased by 28%



# France: smoking, tax and male lung cancer, 1980-2010

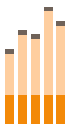




# **Taxes, Prices & Excessive Drinking**

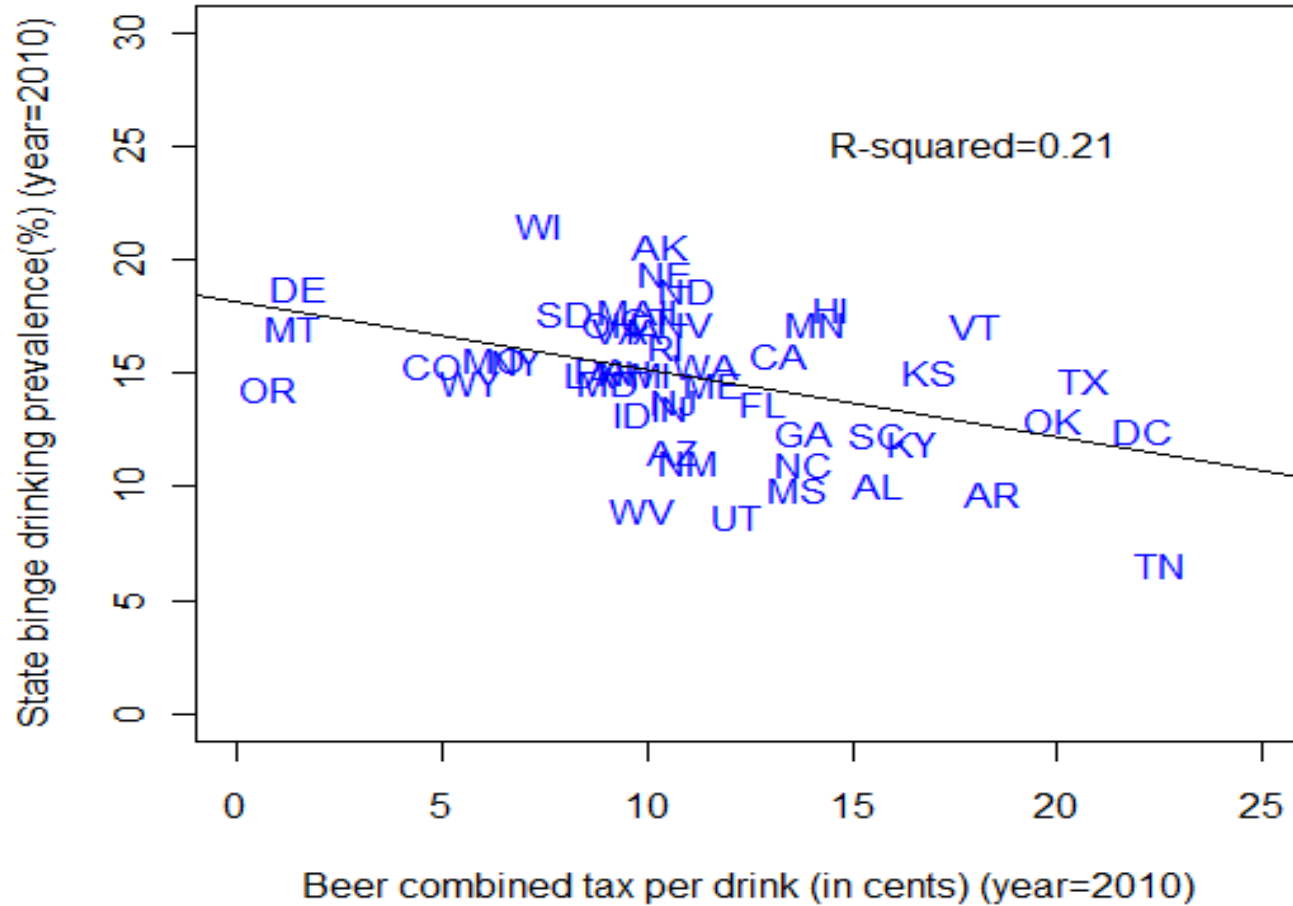
# Alcohol Prices & Drinking

- **Similarly extensive econometric and other research shows that higher prices for alcoholic beverages significantly reduce drinking:**
  - 10 percent price increase would reduce:
    - Beer consumption by 1.7 to 4.6 percent
    - Wine consumption by 3.0 to 6.9 percent
    - Spirits consumption by 2.9 to 8.0 percent
    - Overall consumption by 4.4 percent
    - Heavy drinking by 2.8 percent
    - Generally larger effects on youth and young adults

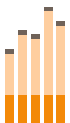




# Beer Tax and Binge Drinking Prevalence US States, 2010



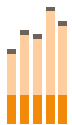
Source: Xuan et al., 2013



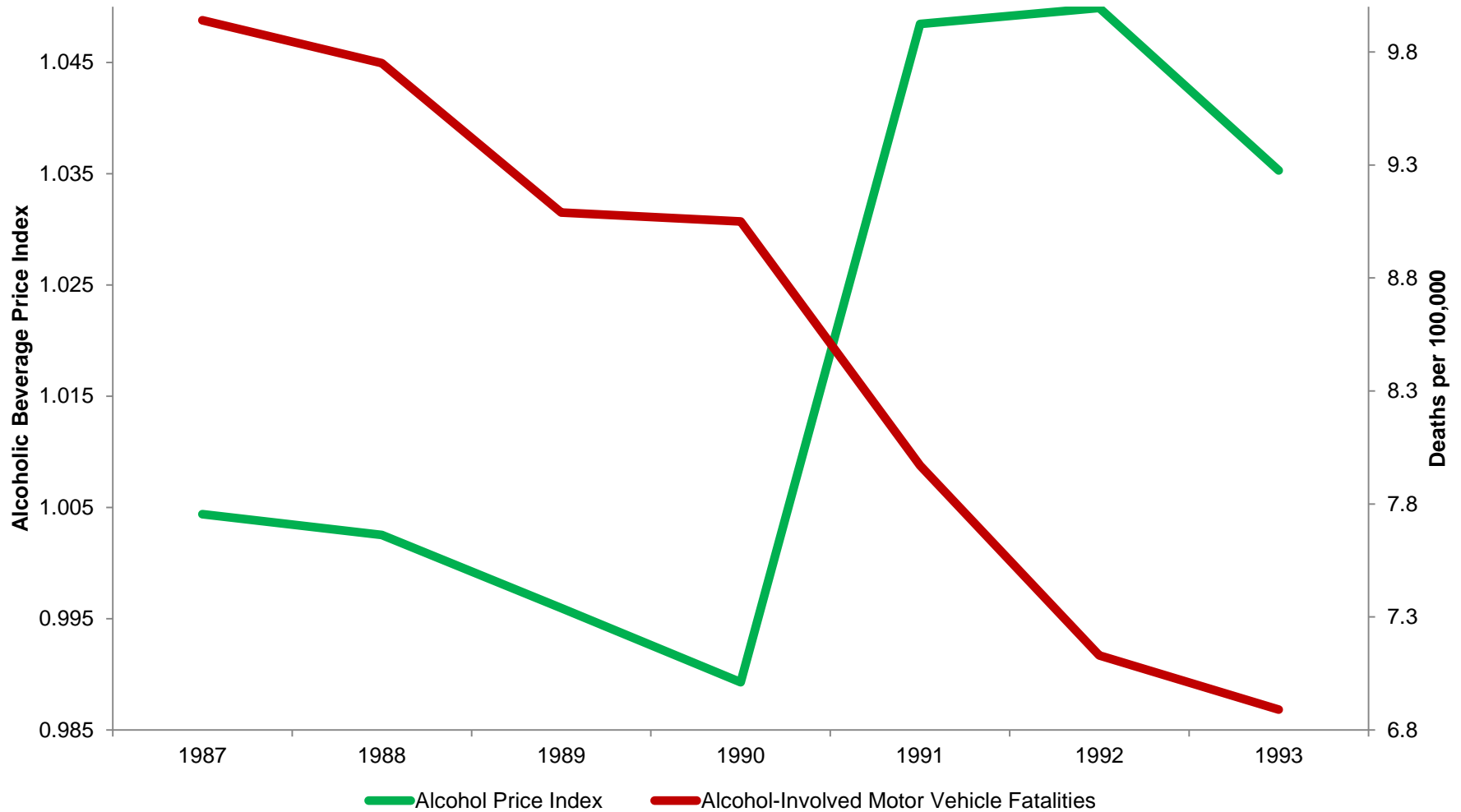
# Alcohol Prices & Consequences

- **Extensive econometric and other research shows that higher prices for alcoholic beverages significantly reduce:**
  - Drinking and driving, traffic crashes, and motor-vehicle accident fatalities

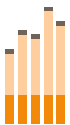
Source: Xin & Chaloupka, 2012; Wagenaar et al., 2010



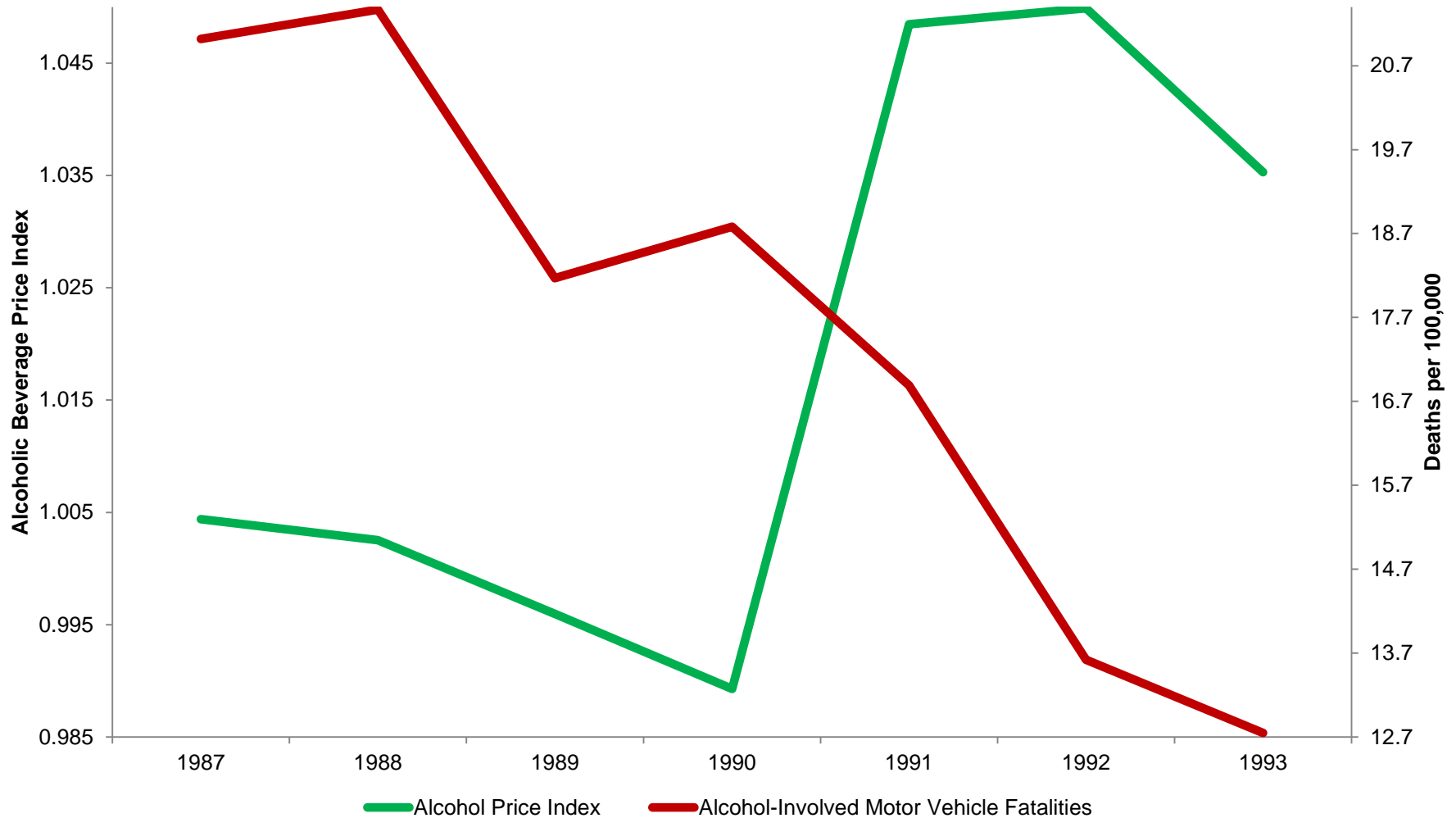
# Alcohol Prices and Alcohol-Related Traffic Fatalities, US, All Ages, 1987-1993



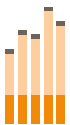
Source: NHTSA, BLS, and author's calculations



# Alcohol Prices and Alcohol-Related Traffic Fatalities, US, Ages 16-20, 1987-1993



Source: NHTSA, BLS, and author's calculations



# Alcohol Prices & Consequences

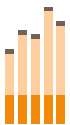
- **Econometric and other research shows that higher prices for alcoholic beverages significantly reduce:**
  - Deaths from liver cirrhosis, acute alcohol poisoning, alcohol-related cancers, cardiovascular diseases, and other health consequences of excessive drinking
  - Violence (including spouse abuse, child abuse, and suicide) and other crime
  - Other consequences of drinking, including work-place accidents, teenage pregnancy, and incidence of sexually transmitted diseases

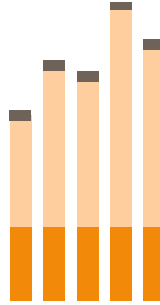


# Alcohol Prices & Consequences

- Recent systematic review concluded:
  - Doubling of alcohol taxes would reduce:
    - Alcohol-related mortality by 35%
    - Traffic crash deaths by 11%
    - Sexually transmitted disease by 6%
    - Violence by 2%
    - Crime by 1.4%

Source: Wagenaar et al., 2010



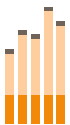


# Taxes, Prices & Diet

# Prices and Food & Beverage Consumption

Extensive economic research on the impact of food and beverage prices on consumption of various products; estimates suggest 10% own-price increase would reduce:

- Cereal consumption by 5.2%
- Soft drink consumption by 7.8%
- Sweets consumption by 3.5%
- Food away from home consumption by 8.1%



Source: Andreyeva, et al., 2010

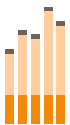


# Prices and Food & Beverage Consumption

Our more recent review finds similar evidence, with 10% increase in own-price leading to reductions in:

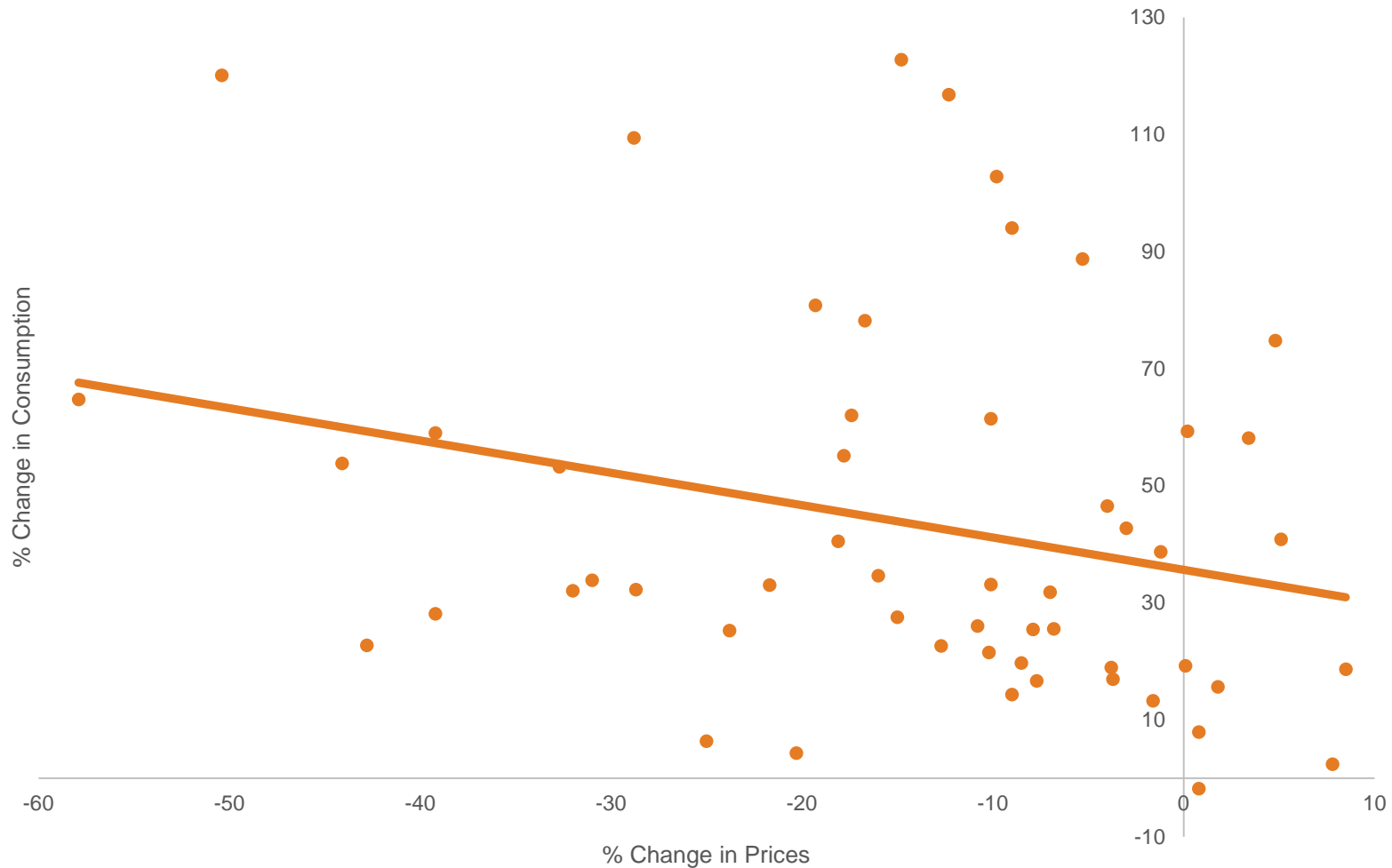
- Sugar-sweetened beverage consumption by 12.1%
- Fruit consumption by 4.9%
- Vegetable consumption by 4.8%
- Fast food consumption by 5.2%

Source: Powell, et al., 2013

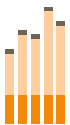


# Sweet & Savory Snack Prices & Consumption

## Percentage Change, 2000-2014, Selected Countries

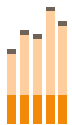
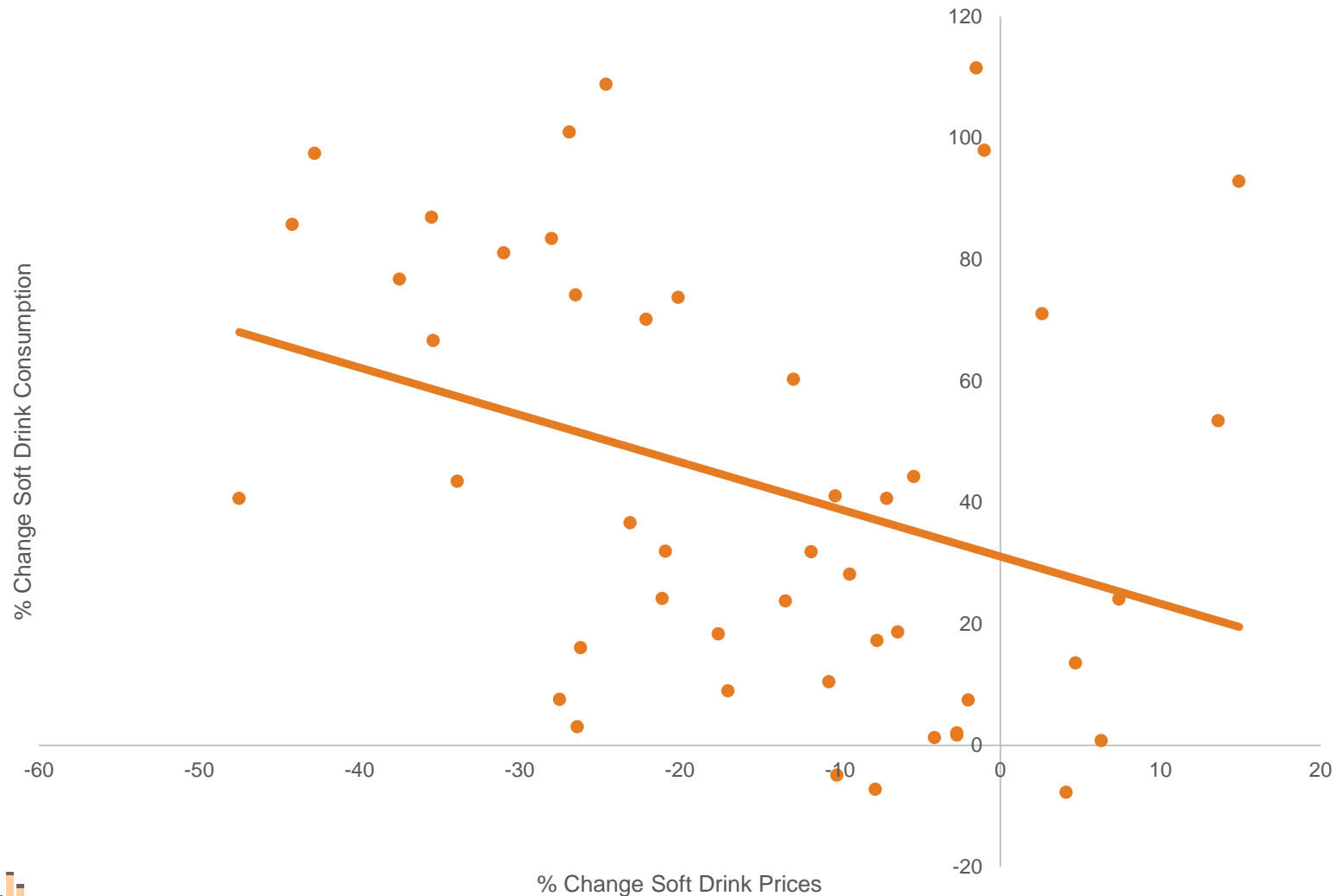


Source: Euromonitor, 2015, and author's calculations

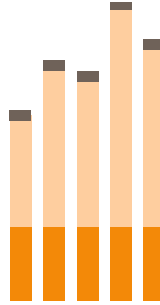


# Soft Drink Prices & Consumption

## Percentage Change, 2000-2014, Selected Countries



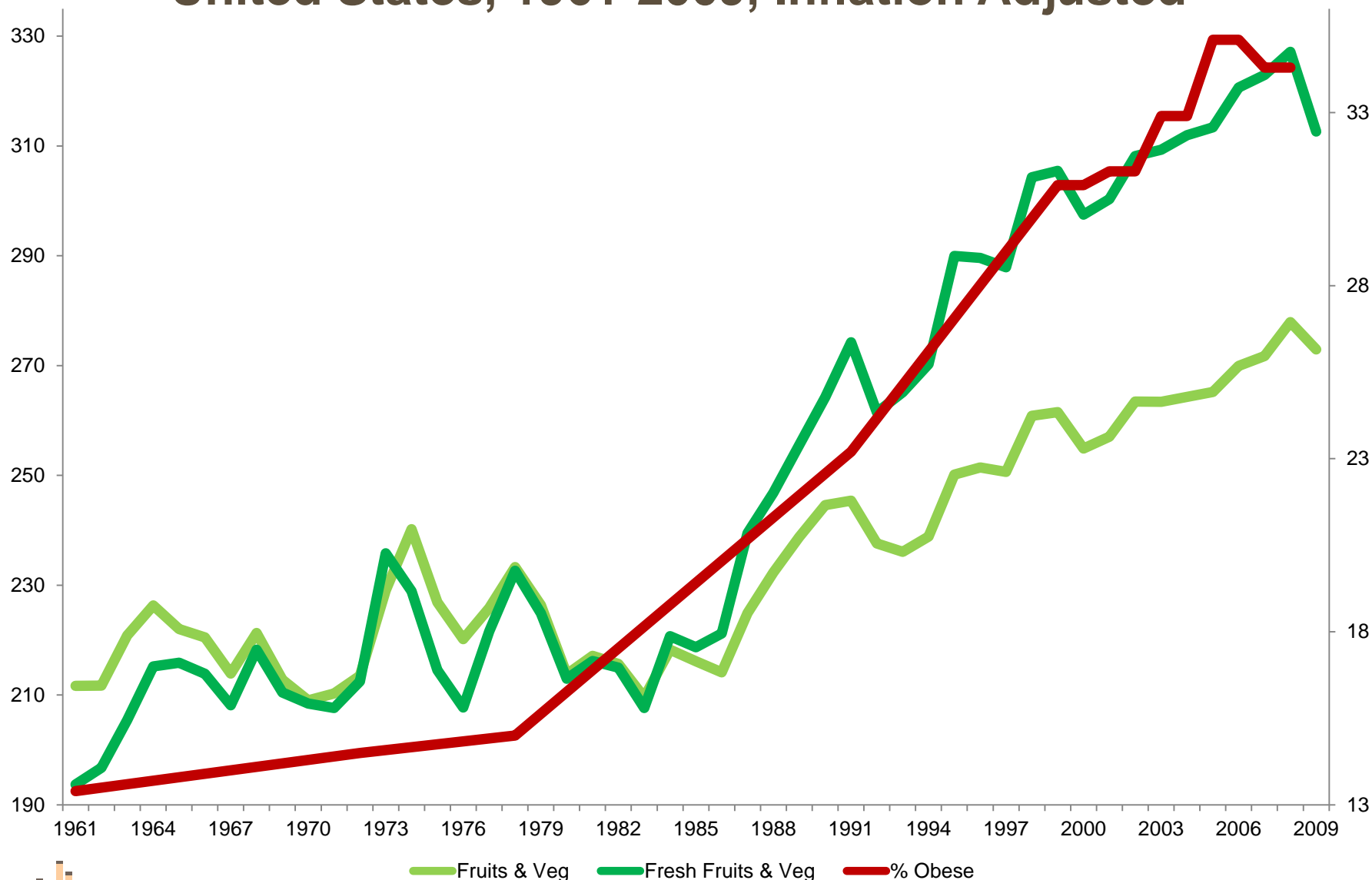
Source: Euromonitor, 2015, and author's calculations



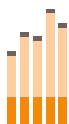
# Taxes, Prices & Obesity

# Selected Food Price & Adult Weight Trends

## United States, 1961-2009, Inflation Adjusted

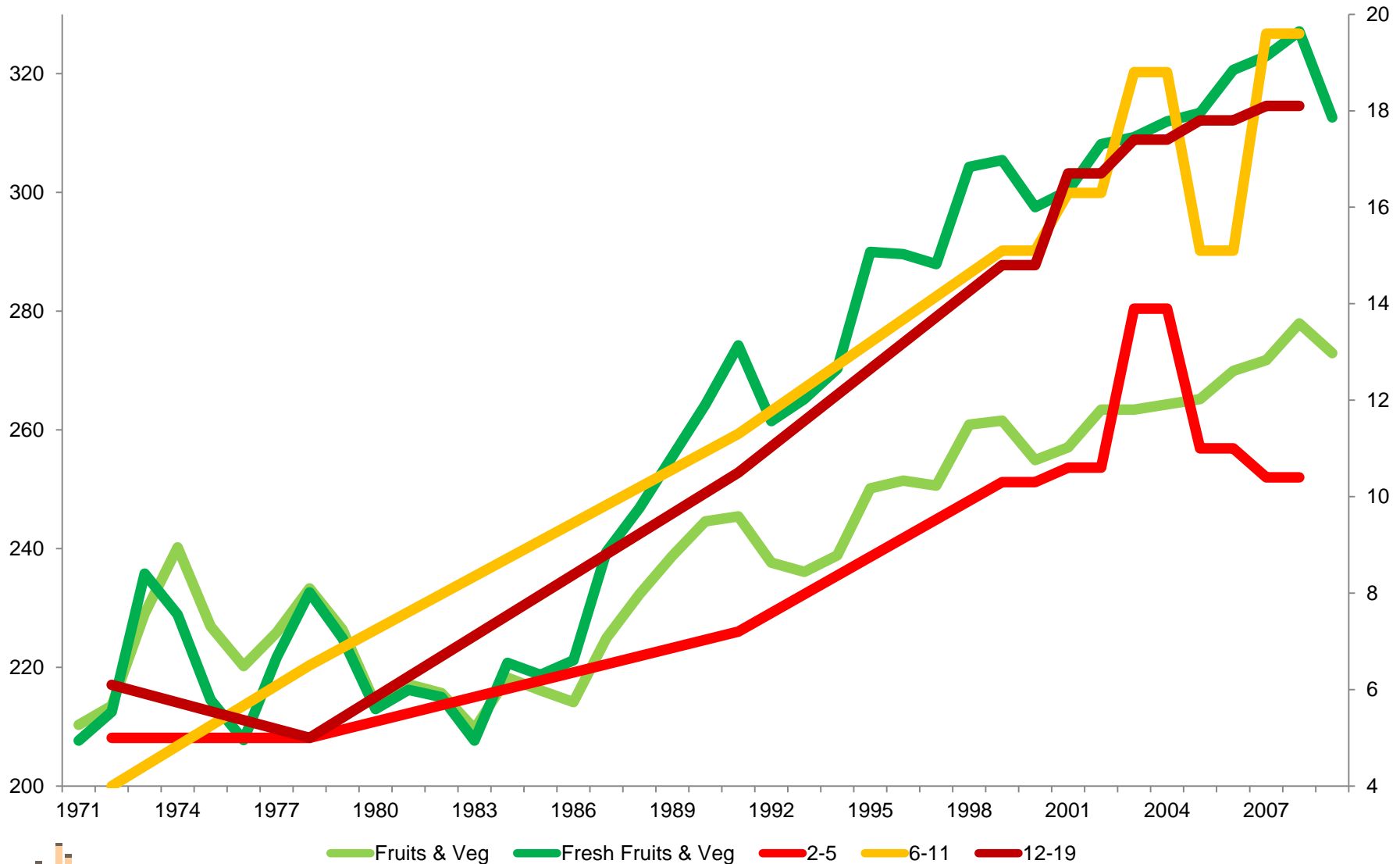


Source: BLS; NHES-I 1960-62; NHANES, 1971-74, 1976-80, 1988-94, 1999-2000, 2001-02, 2003-04, 2005-06, 2007-08

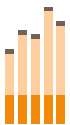


# Selected Food Price & Youth Weight Trends

## United States, 1971-2009, Inflation Adjusted

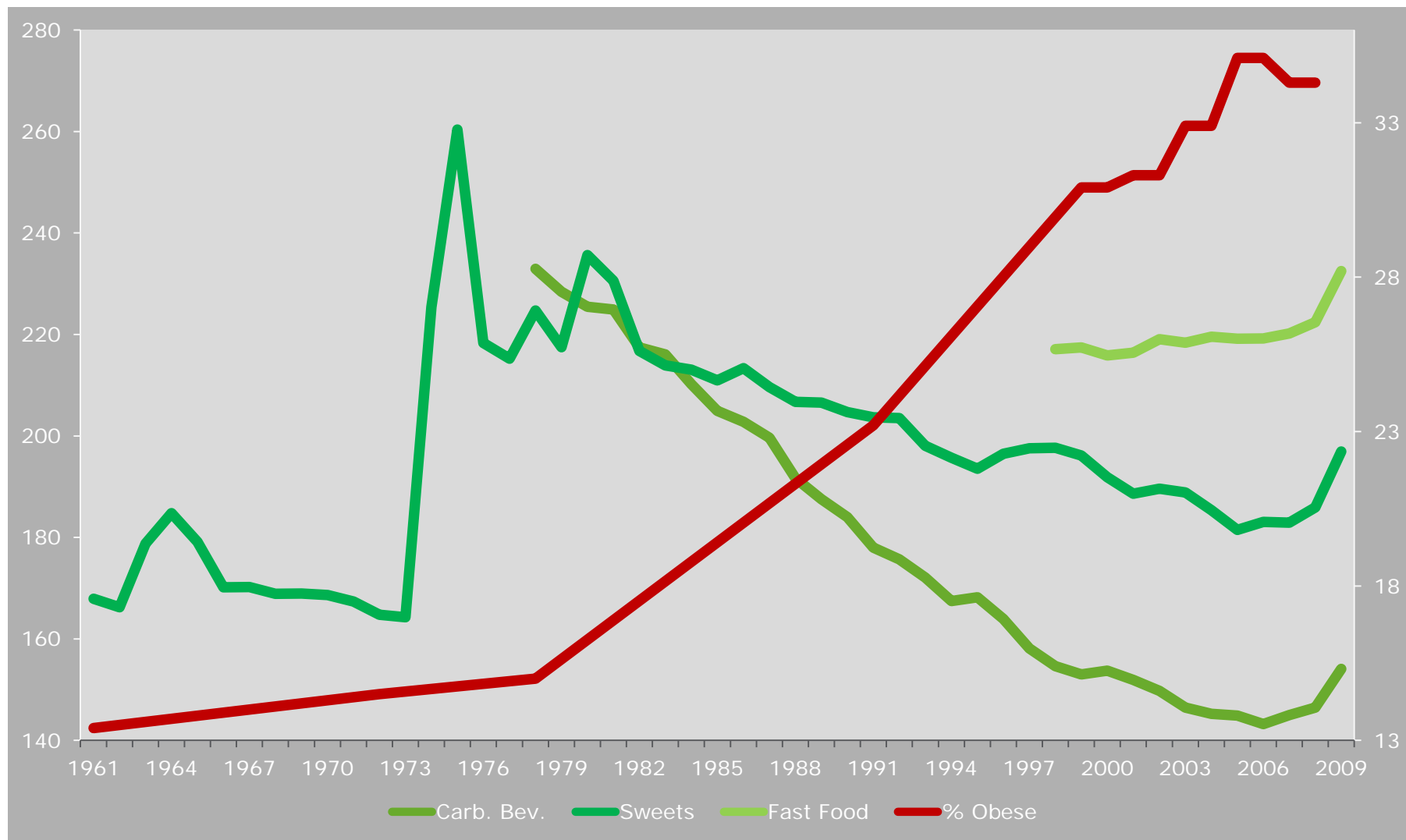


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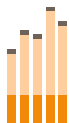


# Selected Food Price & Adult Weight Trends

## United States, 1961-2009, Inflation Adjusted

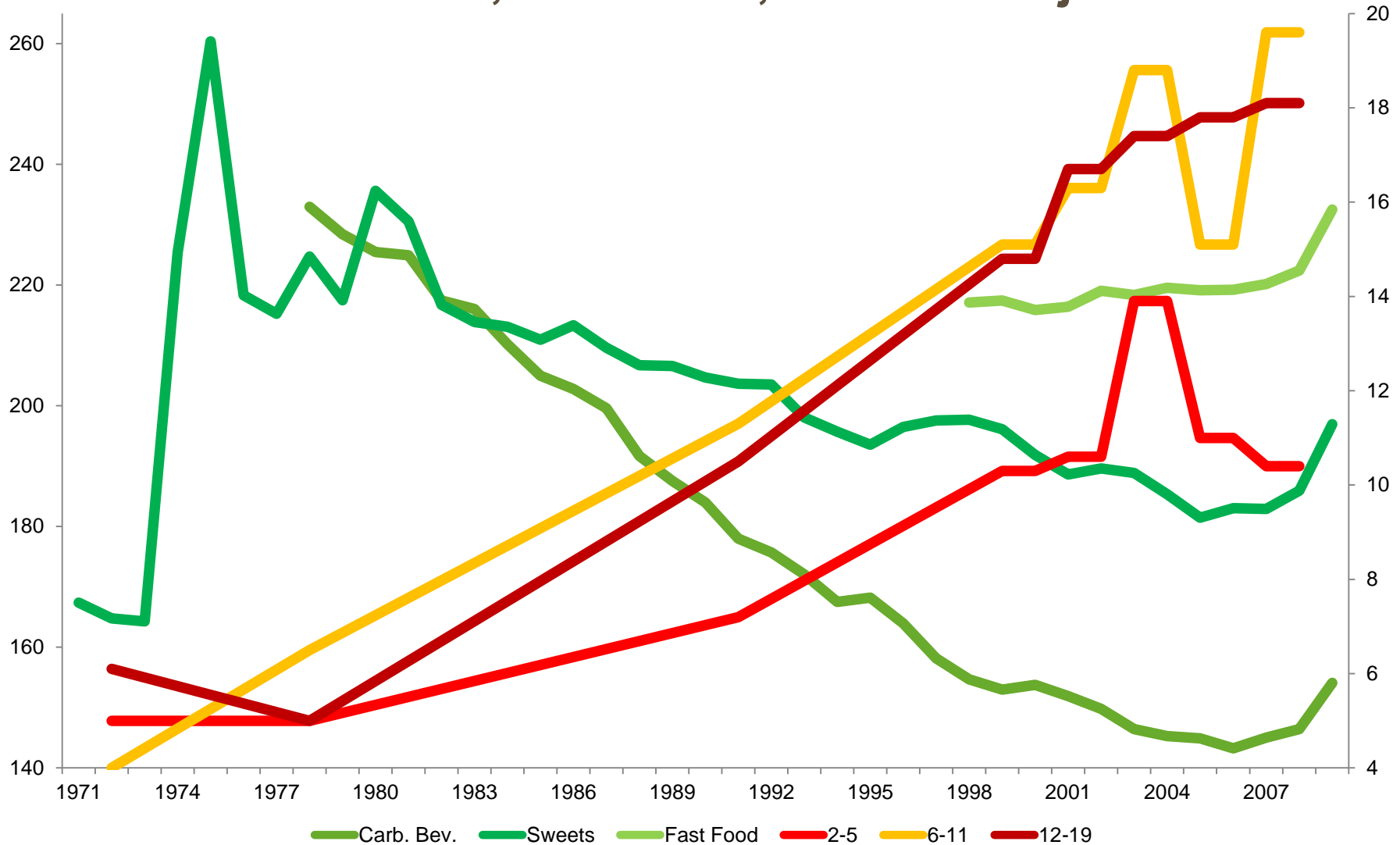


Source: BLS; NHES-I 1960-62; NHANES, 1971-74, 1976-80, 1988-94, 1999-2000, 2001-02, 2003-04, 2005-06, 2007-08

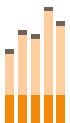


# Selected Food Price & Youth Weight Trends

## United States, 1971-2009, Inflation Adjusted



Source: BLS; NHES-I 1960-62; NHANES, 1971-74, 1976-80, 1988-94, 1999-2000, 2001-02, 2003-04, 2005-06, 2007-08



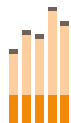


# Prices and Weight Outcomes

While mixed, the weight of the evidence increasingly indicates that changes in relative prices for healthier and less healthy foods will affect weight outcomes, with greater impact on:

- Lower income, less educated populations
- Younger populations
- Populations at greater risk for obesity

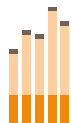
Source: Powell, et al., 2013

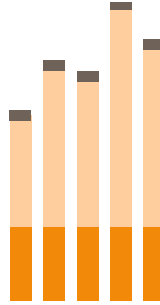


# Prices and Weight Outcomes

Subsidies alone likely to be counter-productive:

- Increase consumption of subsidized products
- Income effect leads to increased consumption of other products
- Net increase in caloric intake

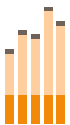




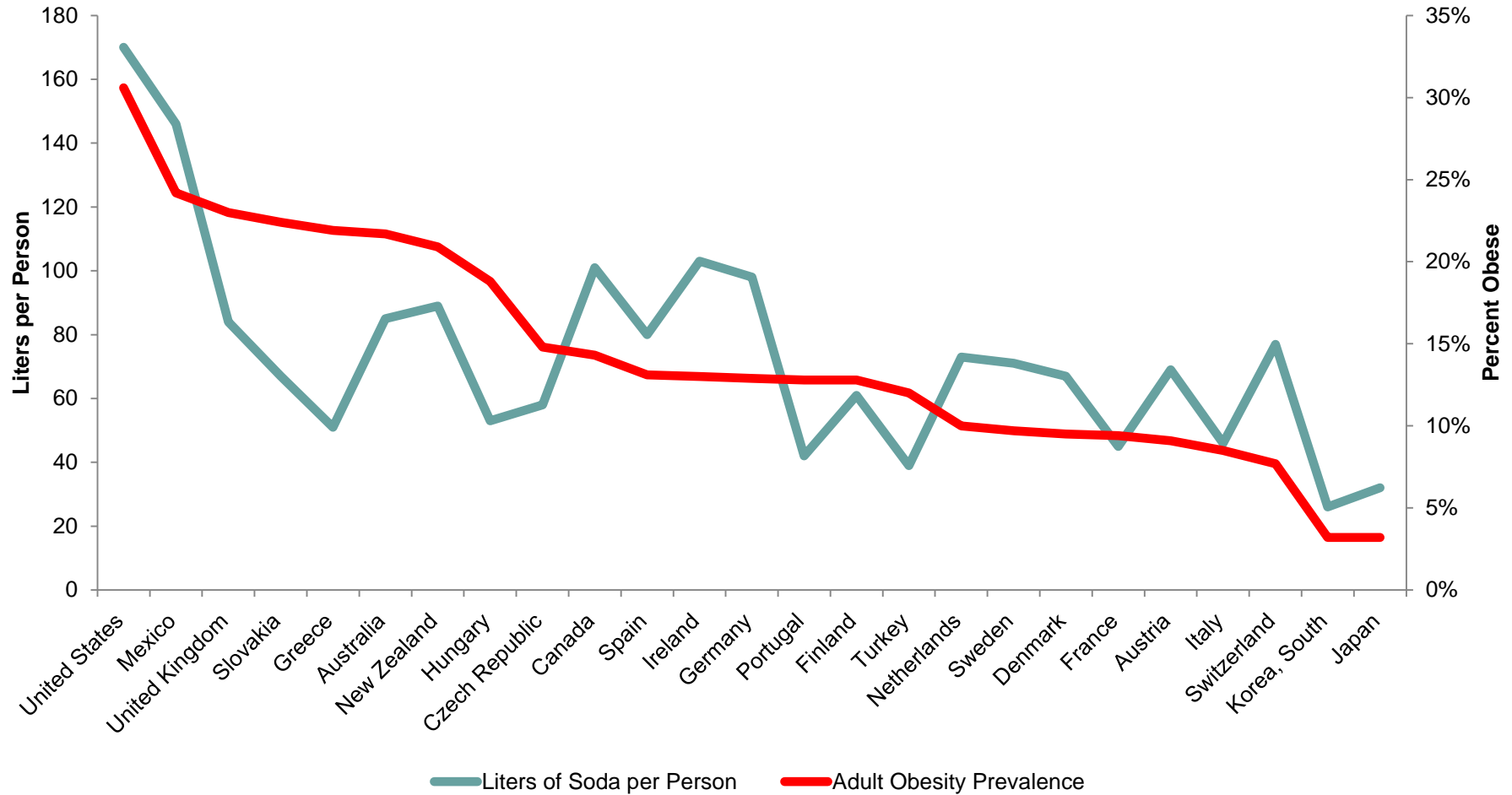
# Sugary Beverage Taxes

# Rationale for SSB Taxes

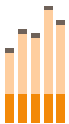
- Link to obesity
  - Several meta-analyses conclude that increased SSB consumption causes increased weight, obesity
  - Increased calories from SSBs not offset by reductions in calories from other sources
- Other health consequences
  - Type 2 diabetes, lower bone density, dental problems, headaches, anxiety and sleep disorders



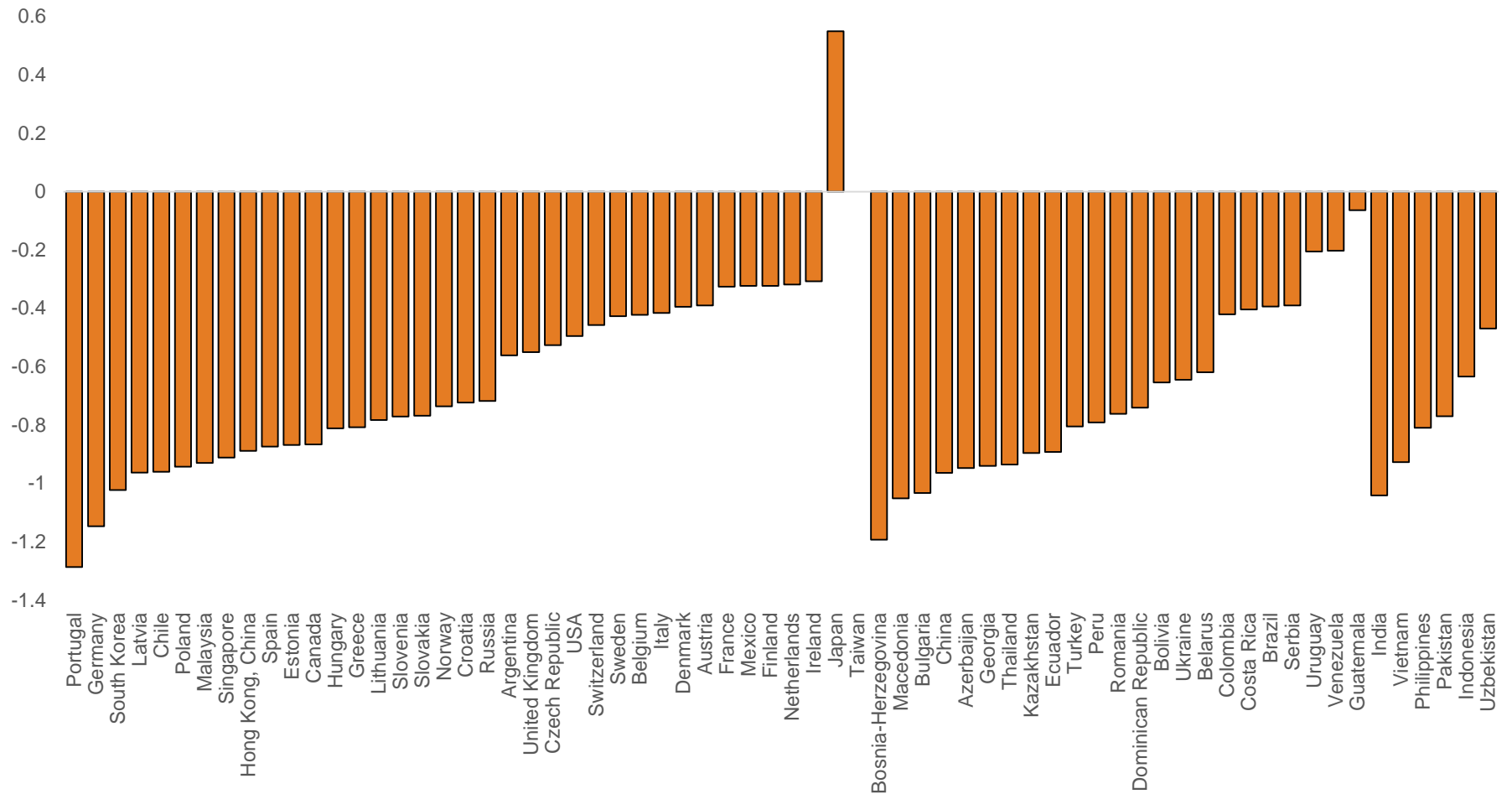
# Soda Consumption & Obesity Selected Countries



Source: Soda consumption from Euromonitor, 2011; Obesity prevalence from OECD Health Data, 2005



# Change in Soft Drink Affordability 2000-2013, Selected Countries



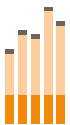
Source: Euromonitor, 2015, and author's calculations

# Soda Taxes in the U.S.

Mixed evidence for impact of U.S. soft drink taxes on obesity:

- Small state sales taxes
- Do not differentiate sugary vs. low/no calorie beverages
  - often taxes on healthier options
- Are not comprehensive
- Estimates suggest that tax needs to raise price by at least 20% to have an impact on weight outcomes

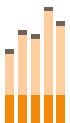
Source: Powell, et al., 2013



# Soda Taxes in Mexico

Evidence from Mexico's peso per liter SSB tax;

- Increased prices for SSBs relative to non-taxed beverages
  - about 10% price increase
  - pass through varies by type, size, location
- Significant reduction in SSB sales, consumption
  - growing over time
- Significant increase in bottled water consumption
- Greater impact on heavier consumers, low-income population

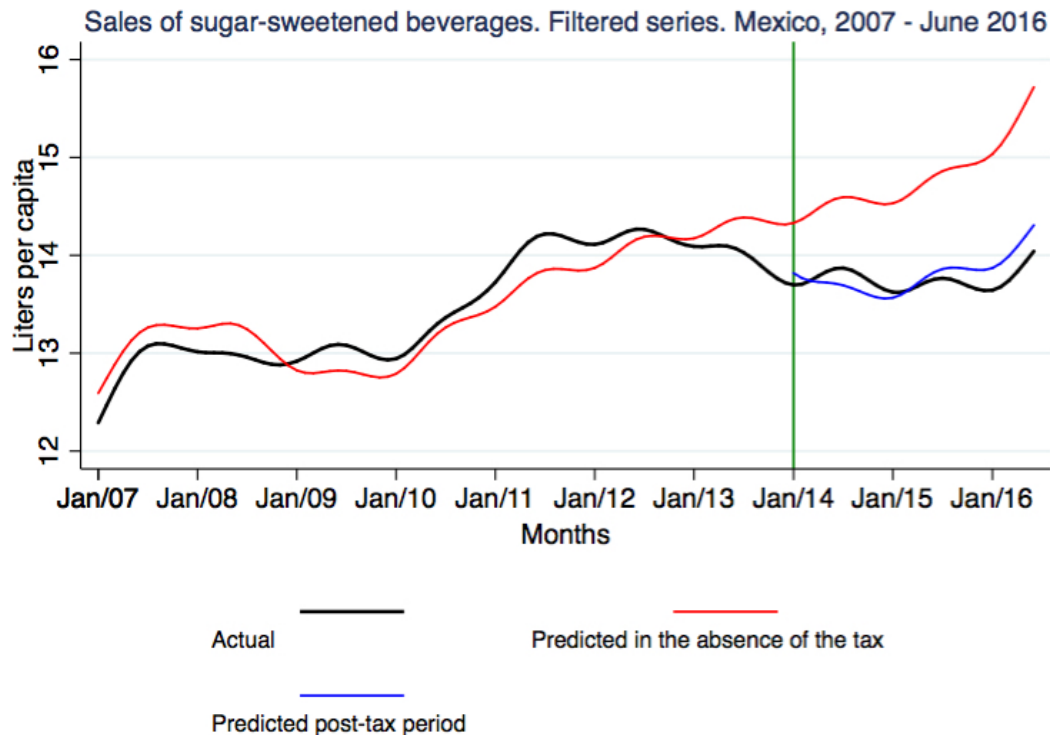


Sources: Colchero, et al., 2015; Colchero, et al., 2016;  
Colchero, et al., 2015; Ng, et al., under review



# Impact of Tax on Sales

## Mexico, 2007-2016

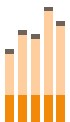


Impact on SSB sales consistent with reductions in purchases:

- 6% drop in 2014
- 8% drop in 2015
- 11% drop in first half of 2016

**5.2% increases in bottled water sales**

OLS- Adjusted for seasonality, the global indicator of the economic activity



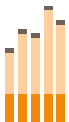
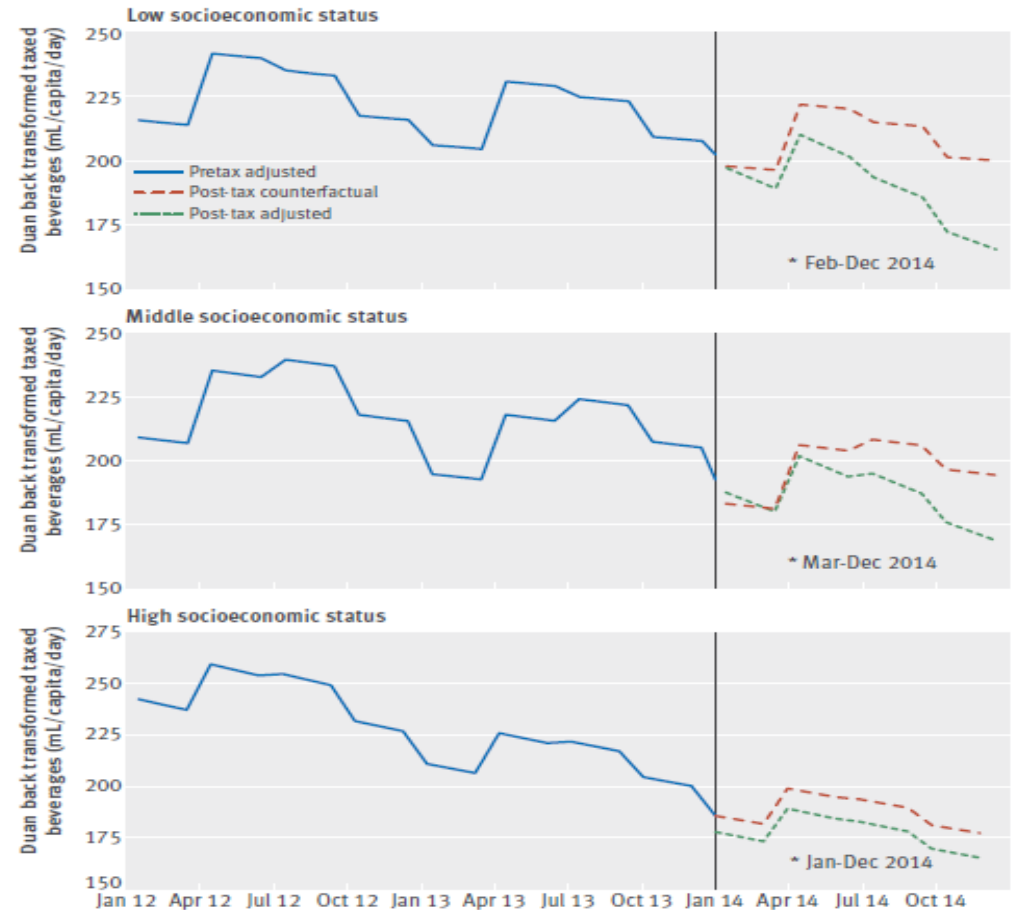
Colchero MA, Guerrero Lopez C, Molina M, Rivera J . Beverage sales in Mexico before and after implementation of a sugar sweetened beverages tax. 2016. PLoS ONE. 11(9).

Changes in sales of sugar-sweetened beverages in Mexico before (2007-2013) and after the tax (2014-2016): <https://www.insp.mx/epppo/blog/4278-changes-sales-beverages.html>

# Impact of Tax on Purchases

## Year One (2014)

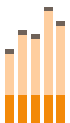
- Purchases of taxed beverages reduced in all SES groups
- Reductions in purchases **greatest among lowest SES households**
  - **9% decline in 2014**

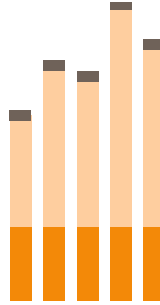


# Impact of Tax on Purchases

## Year One (2014)

- **Greatest impact on heaviest consumers**
  - **Highest purchasers:**
    - 31% of households, purchased average of 157 liters of SSB/capita/yr
      - *10% reduction in purchases following tax*
  - **Middle purchasers:**
    - 40% of households, purchased average of 60 liters of SSB/capita/yr
      - *8% reduction of taxed beverages post-tax*
  - **Light and non purchasers:**
    - Remaining households; small impact on light purchasers

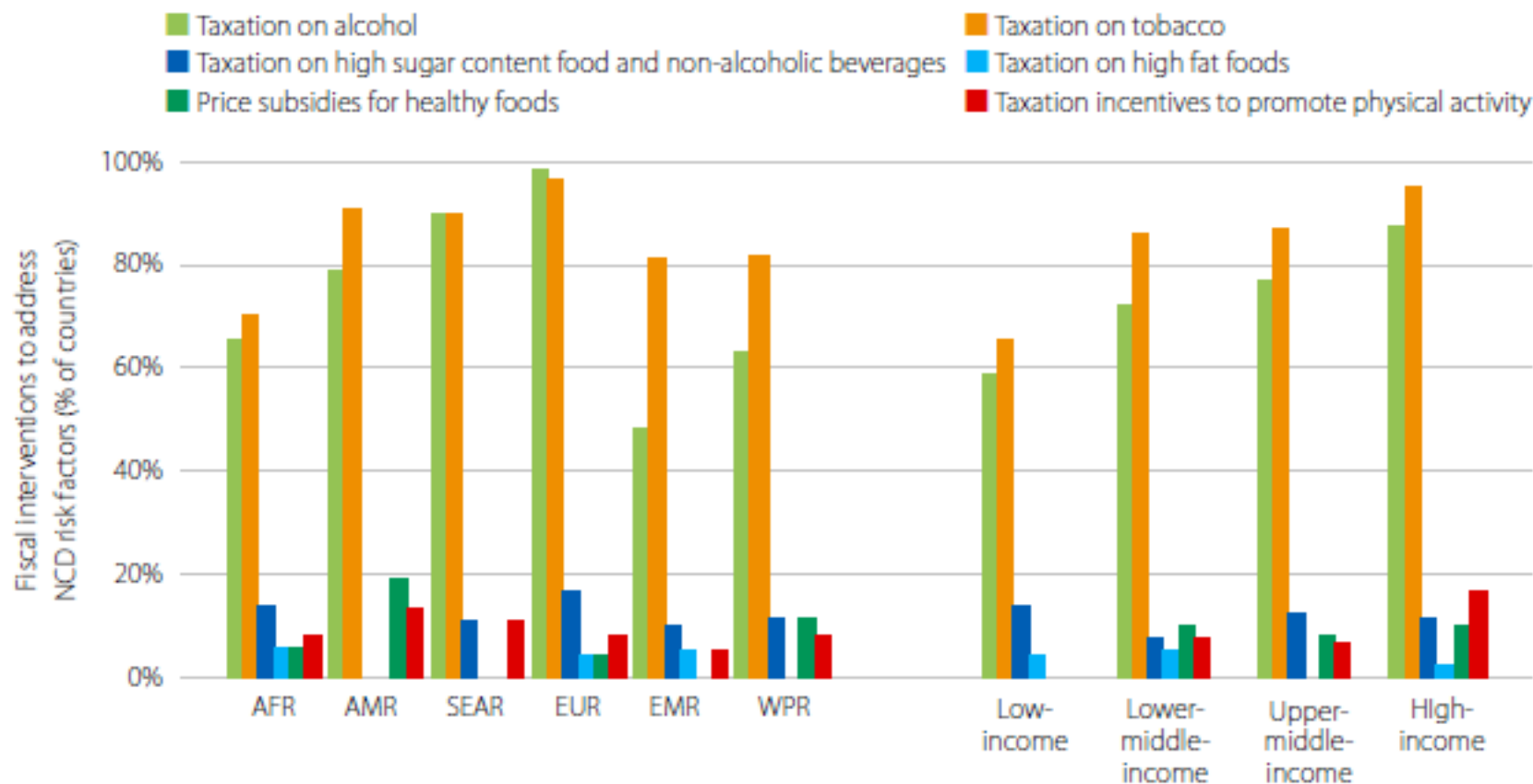




# Oppositional Arguments

# Fiscal Policy & NCDs

**Fig. 1.9** Fiscal interventions to address NCD risk factors, 2013, by WHO region and by World Bank income group.

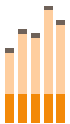


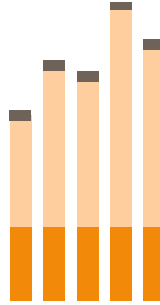
AFR=African Region, AMR=Region of the Americas, SEAR=South-East Asia Region, EUR=European Region, EMR=Eastern Mediterranean Region, WPR=Western Pacific Region



# Common Oppositional Arguments

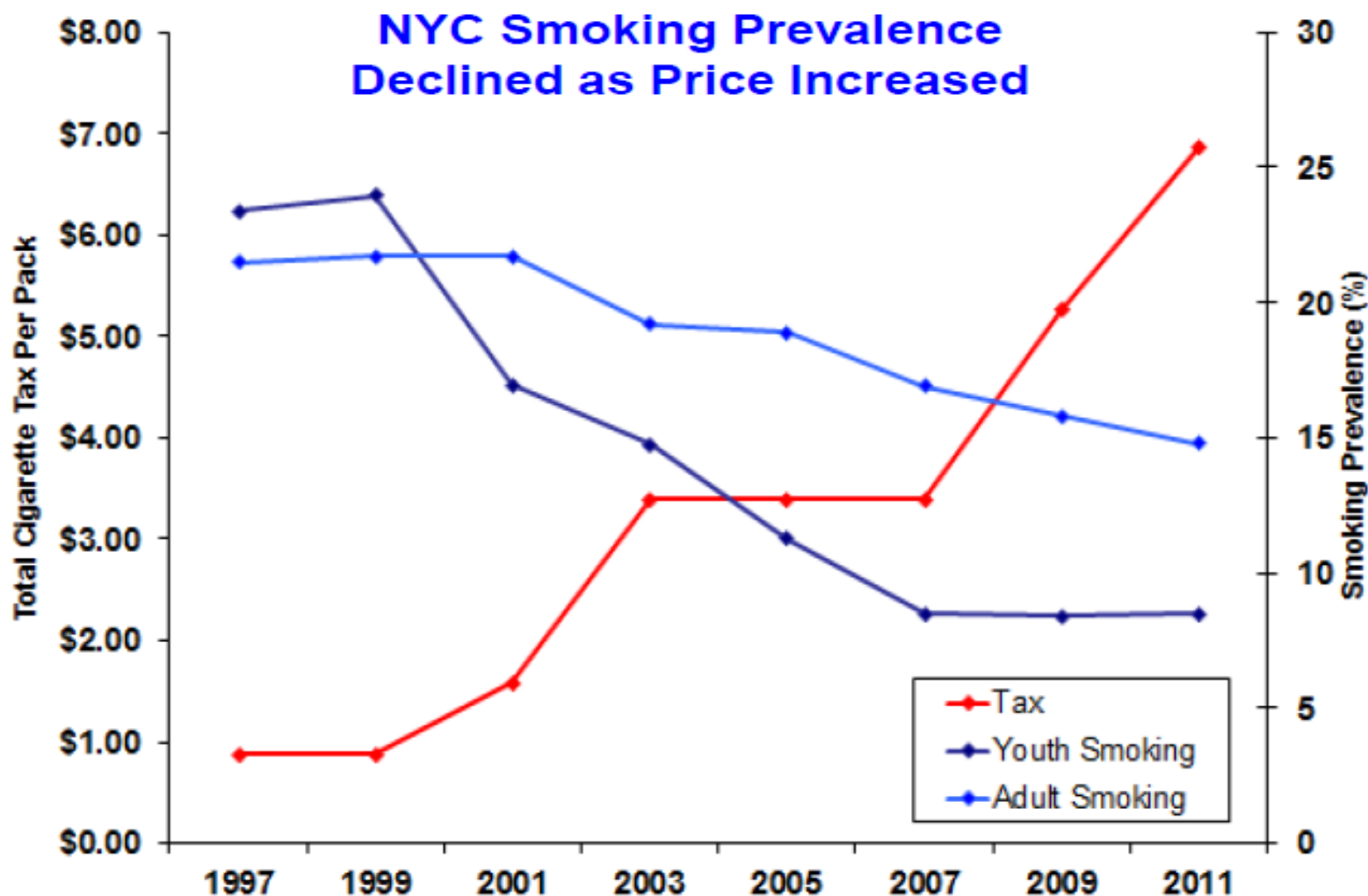
- Industries and allies use several common arguments in opposition to tax increases:
  - Won't have the intended impact in terms of reducing use and consequences
  - Will lead to extensive tax avoidance and tax evasion
  - Will harm poor and working class consumers
  - Will lead to massive job losses



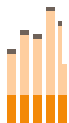


# Tax Avoidance & Evasion

# Tax Avoidance & Evasion Do NOT Eliminate Health Impact of Higher Taxes



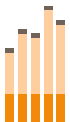
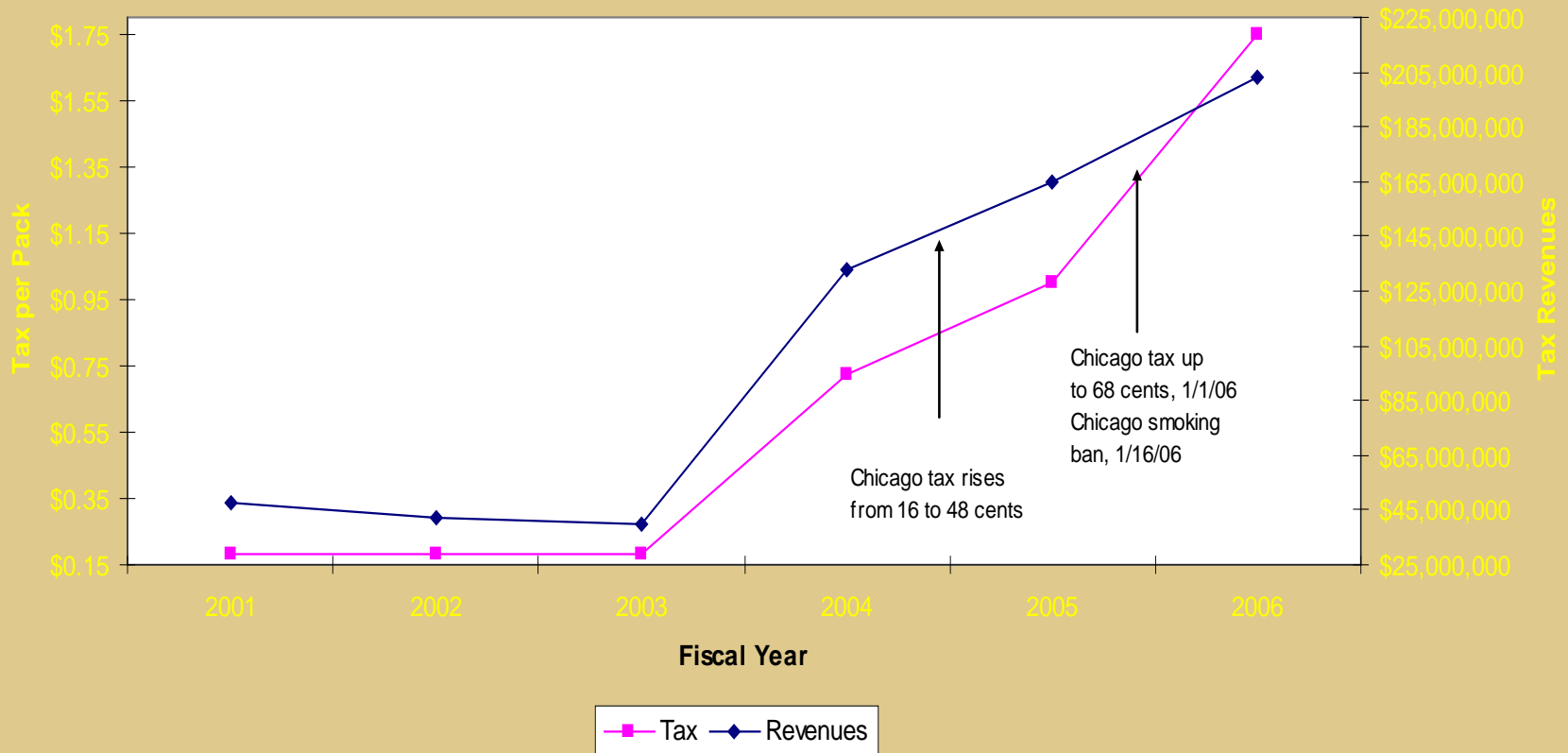
Source: Schroth, 2014



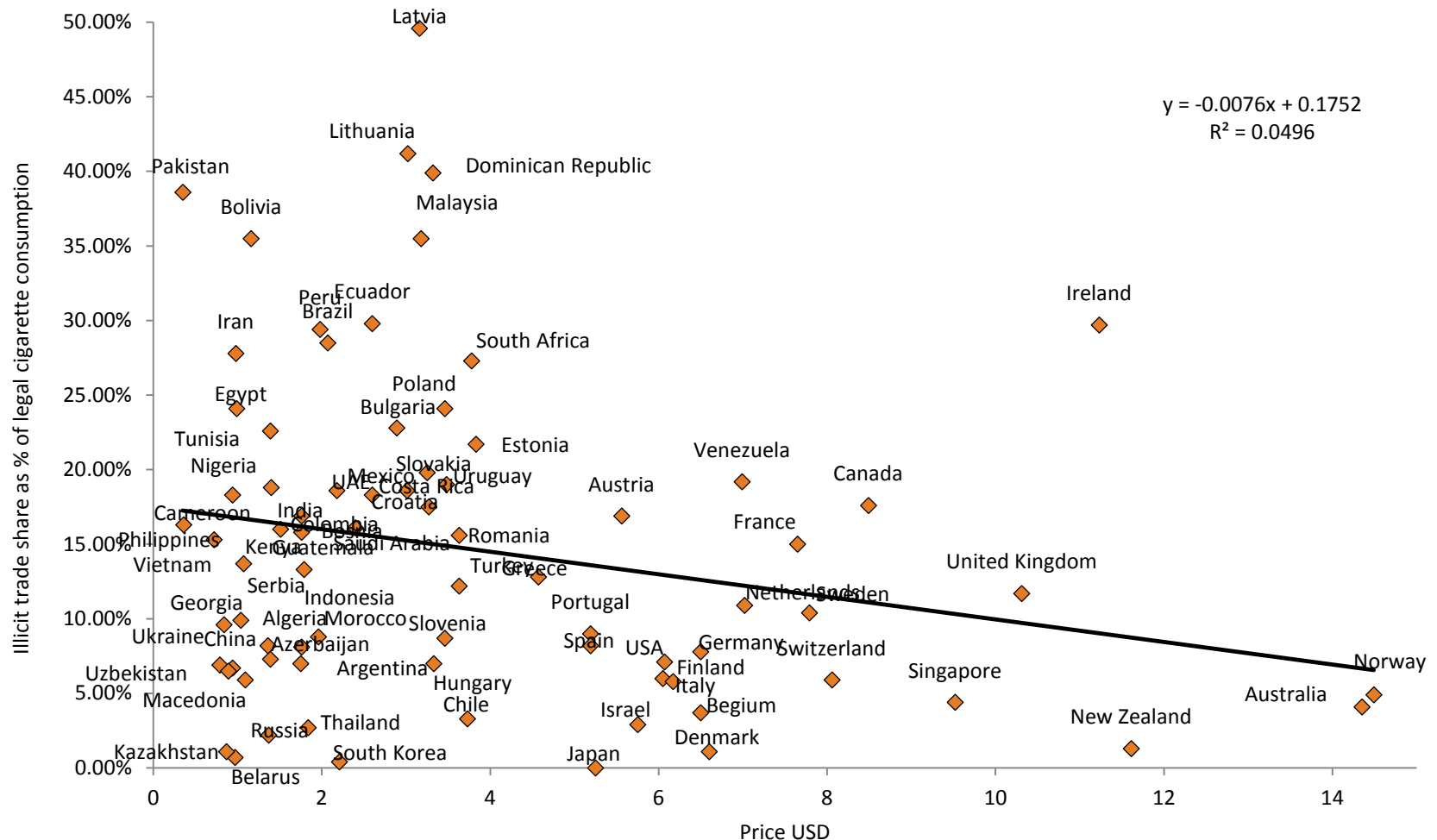


# Tax Avoidance & Evasion Do NOT Eliminate Revenue Impact of Higher Taxes

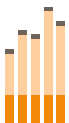
## Cook County Cigarette Tax and Tax Revenues - FY01-FY06



# Illicit Cigarette Market Share & Cigarette Prices, 2012

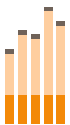


Sources: Euromonitor, WHO



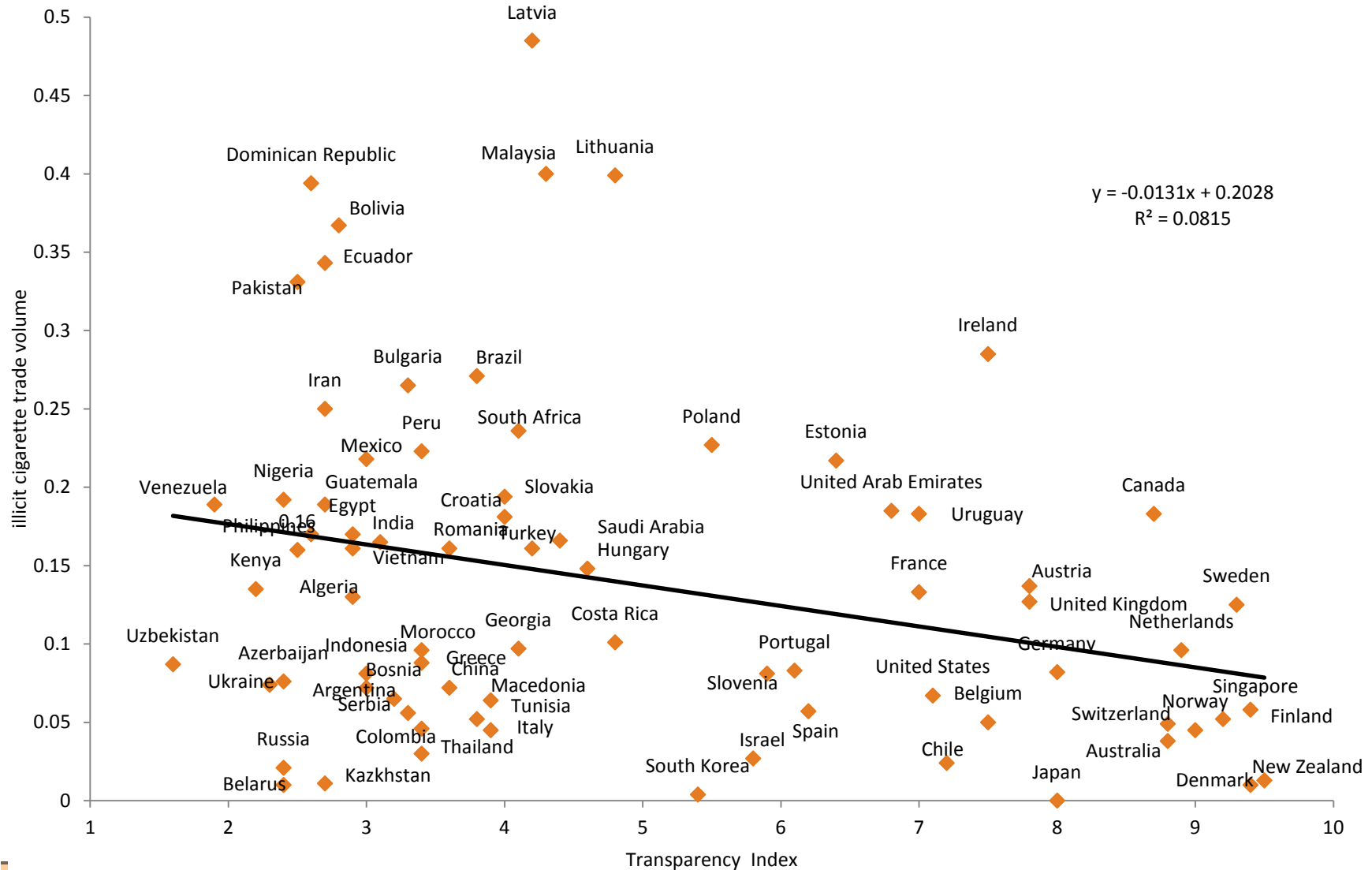
# Drivers of Illicit Tobacco

- Corruption
- Weak tax administration
- Poor enforcement
- Presence of informal distribution networks
- Presence of criminal networks
- Access to cheaper sources

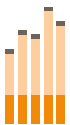


Sources: NRC/IOM 2015; NCI/WHO 2016

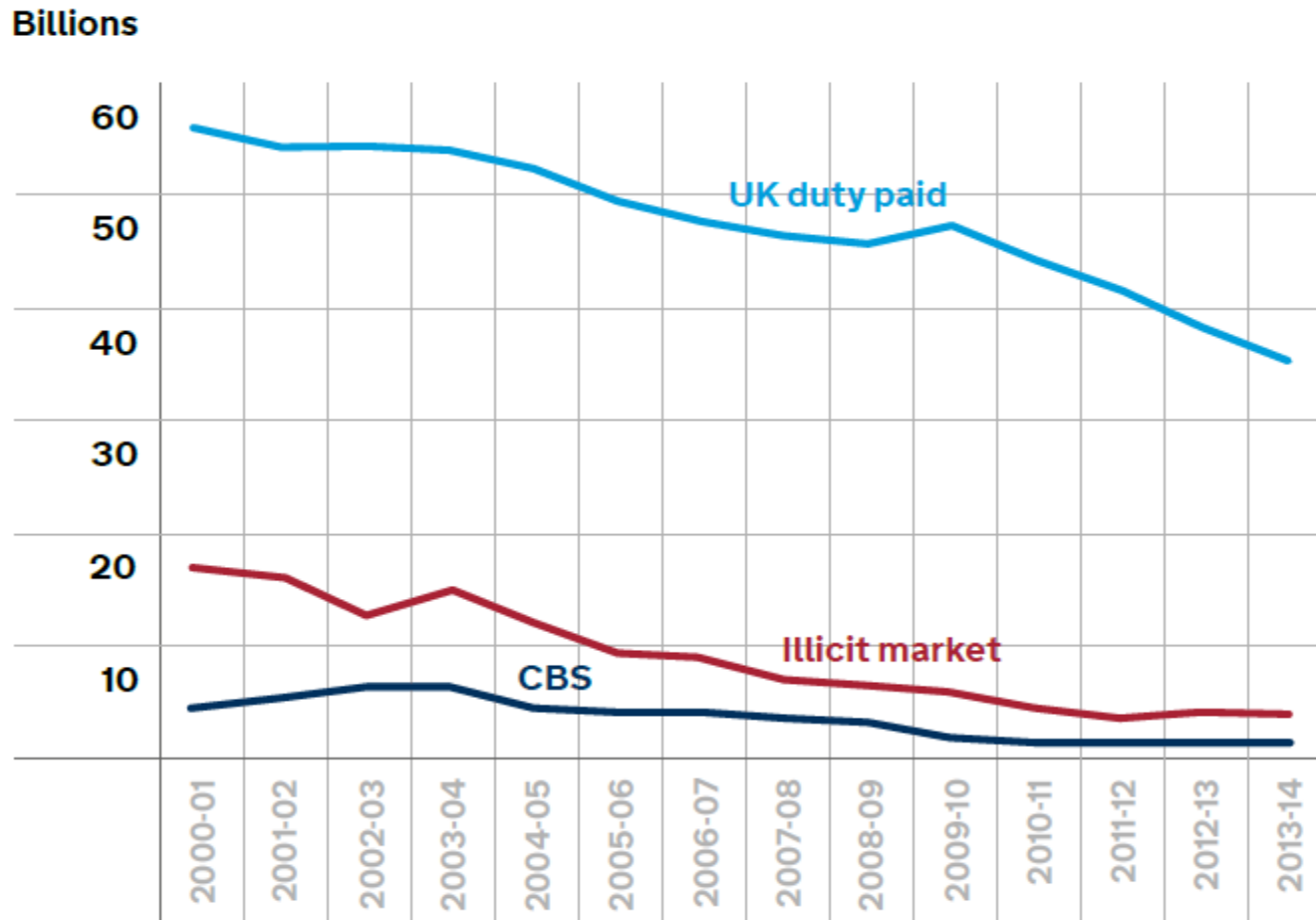
# Smuggling and Corruption, 2011



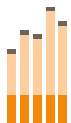
Sources: Euromonitor, Transparency International



# Figure 12 – Estimated Volumes of Cigarettes Consumed in the U.K. – Duty paid, illicit, and cross-border shopping, 2000-01 – 2013-14

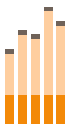


Source: HM Revenue & Customs, 2014



# Combating Illicit Tobacco Trade

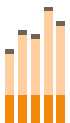
- Illicit trade protocol to the WHO FCTC
  - Adopted November 2012; currently in process of being signed/ratified; provisions calling for:
    - Strong tax administration
      - Prominent, high-tech tax stamps and other pack markings
      - Licensing of manufacturers, exporters, distributors, retailers
      - Export bonds
      - Unique identification codes on packages
    - Better enforcement
      - Increased resources
      - Focus on large scale smuggling
    - Swift, severe penalties
    - Multilateral/intersectoral cooperation



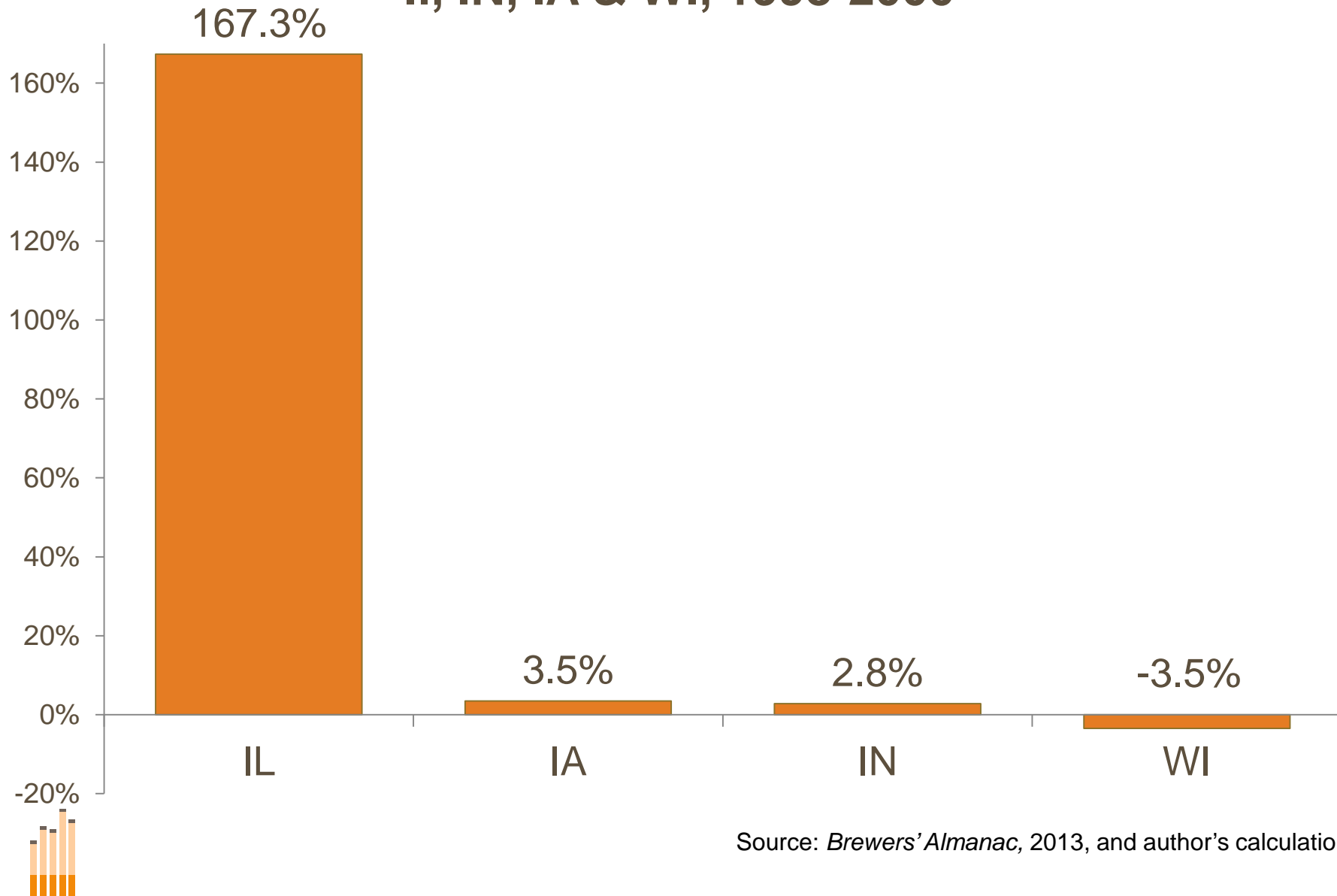
# Beverage Tax Avoidance & Evasion

Little evidence of significant tax avoidance & evasion

- low taxes relative to prices
- costly to avoid/evade taxes
- Illinois – recent experiences with beer taxes
  - IL – raised tax from 7 cents/gallon to 18.5 cents/gallon, August 1999; again to 23.1 cents/gallon September 2009
  - Iowa – 19 cents/gallon throughout
  - Indiana - 11.5 cents/gallon throughout
  - Wisconsin – 6.45 cents/gallon throughout



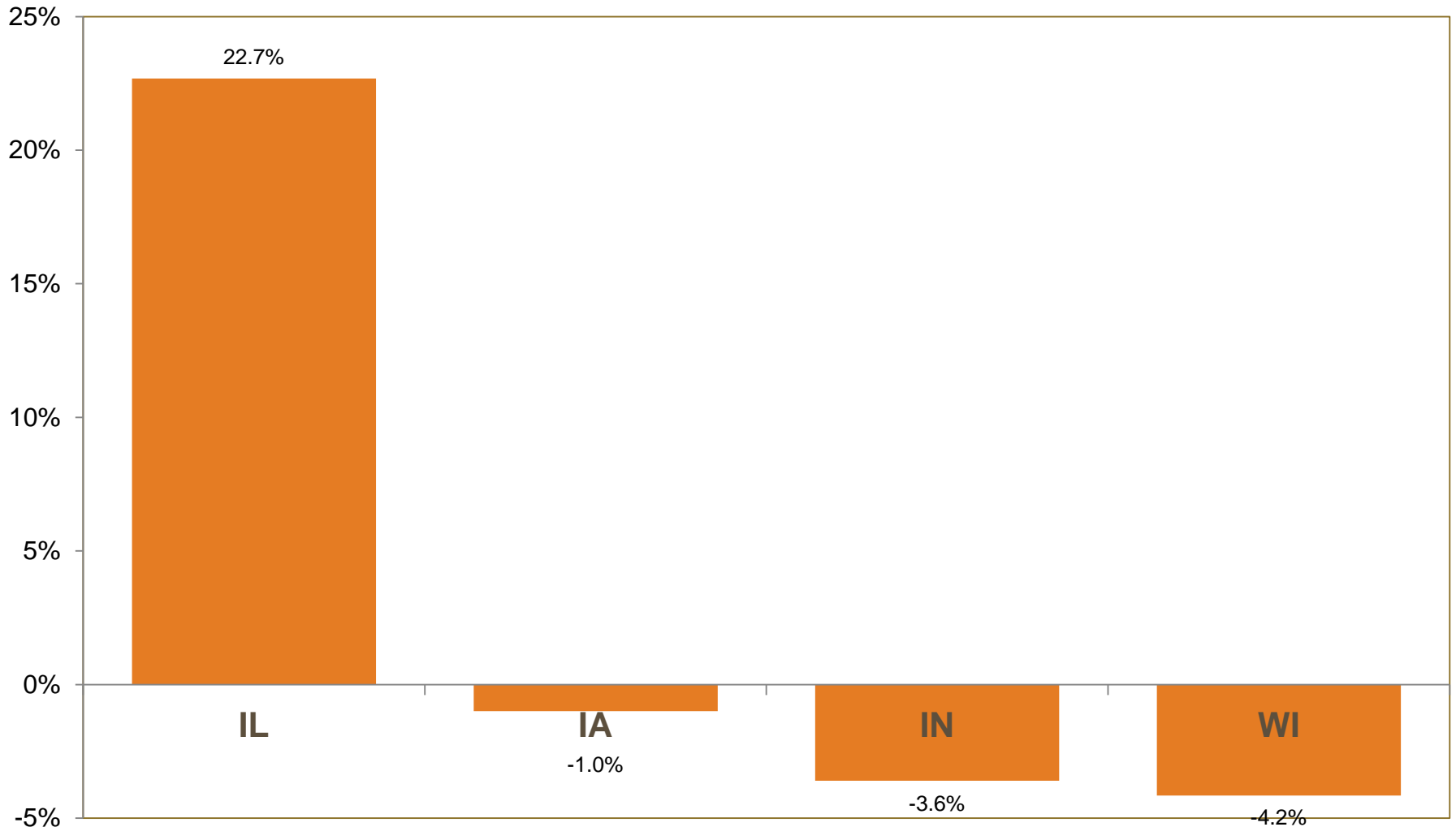
## Percent Change in State Beer Taxes Revenues, IL, IN, IA & WI, 1998-2000



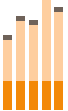
Source: *Brewers' Almanac*, 2013, and author's calculations

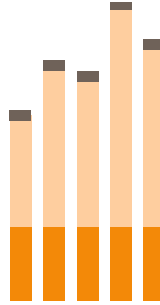


# Percent Change in Beer Taxes Revenues IL, IA, IN, WI 2008-2010



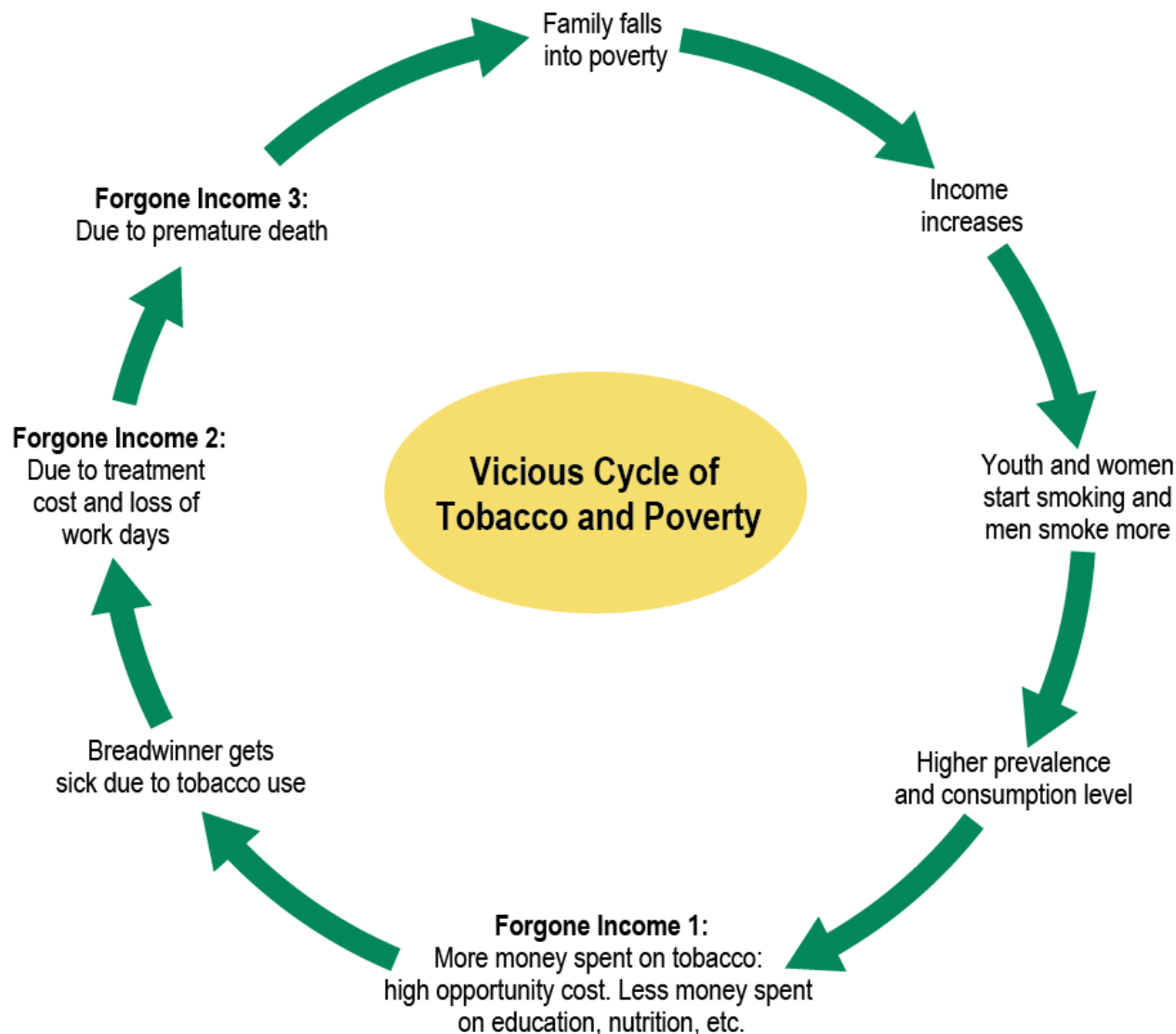
Source: *Brewers' Almanac*, 2013, and author's calculations



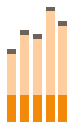


# Impact on the Poor

# Tobacco & Poverty

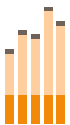


Source: NCI & WHO 2016

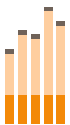
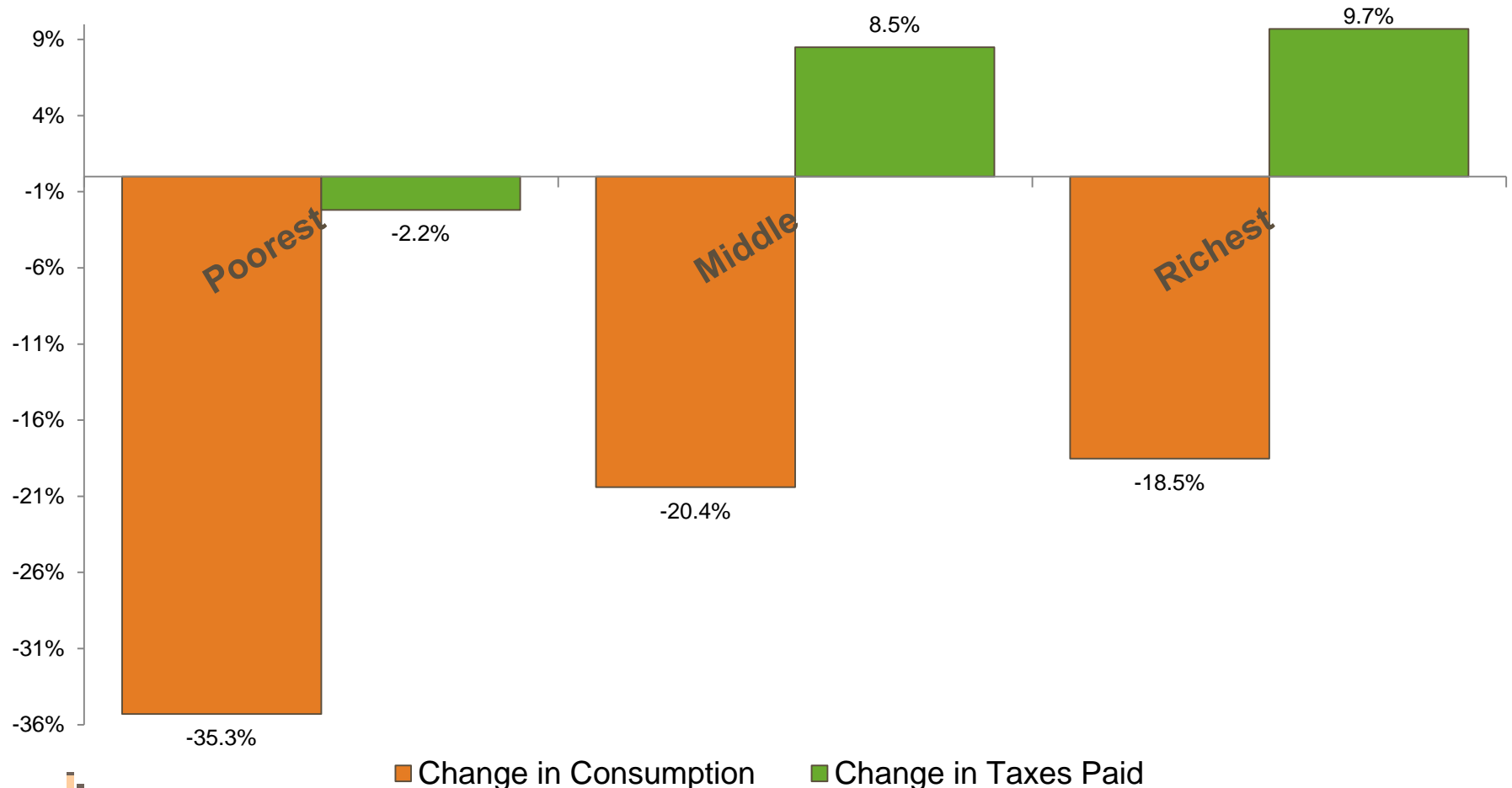


# Impact on the Poor

- **Concerns about the regressivity of higher alcohol & tobacco taxes, food/beverage taxes**
  - Most excise taxes are regressive, but tax increases can be progressive
    - Greater price sensitivity of poor – relatively large reductions in use among lowest income populations, small reductions among higher income populations
    - Health benefits that result from tax increase are progressive

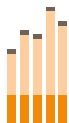


# Who Pays & Who Benefits Turkey, 25% Tax Increase



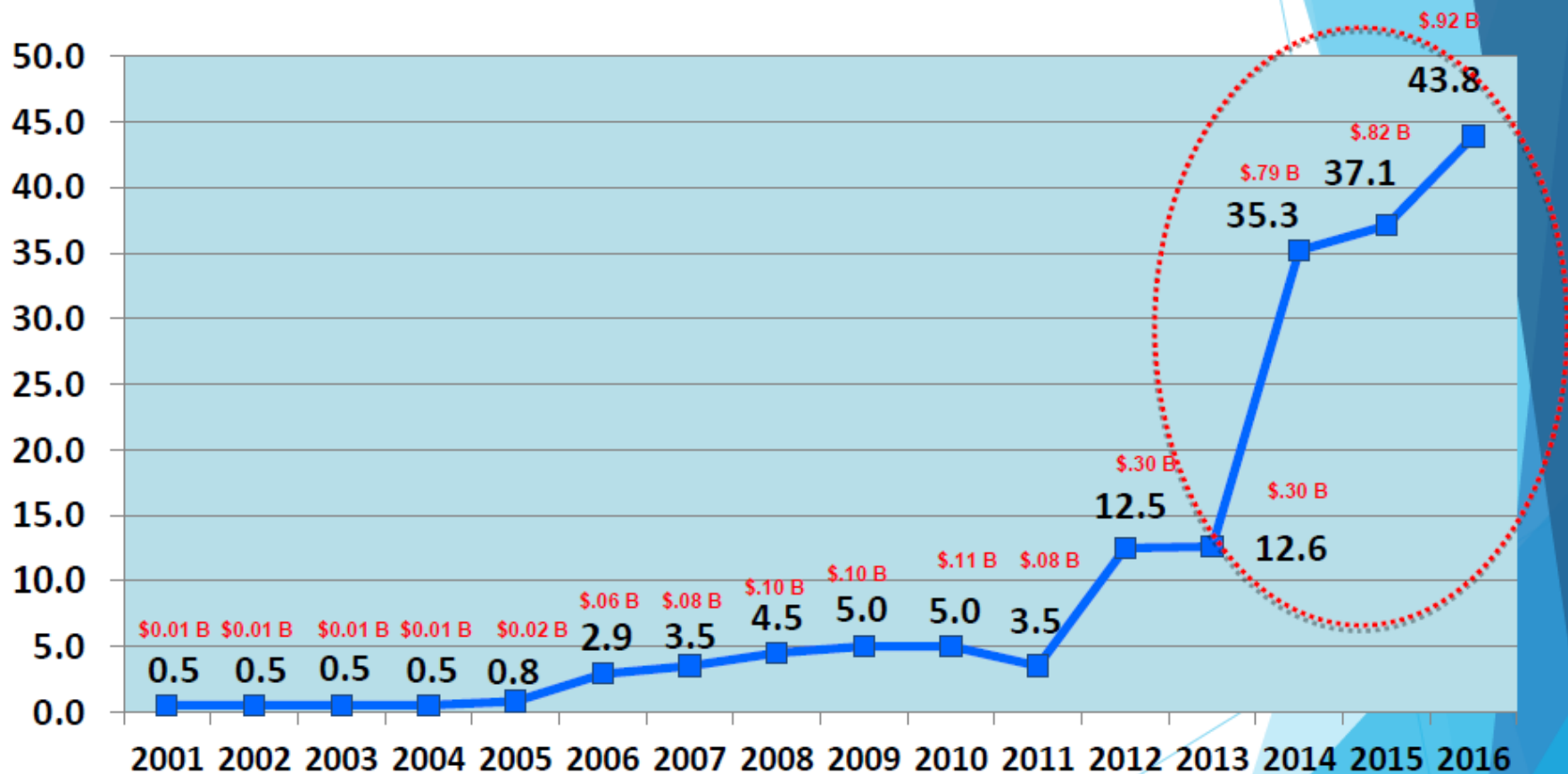
# Impact on the Poor

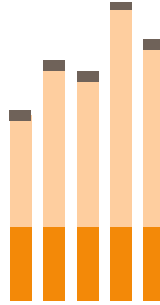
- Need to consider overall fiscal system
  - Key issue with taxes is what's done with the revenues generated by the tax
  - Greater public support for tax increases when revenues are used for prevention & control programs and/or other health programs
  - Net financial impact on low income households can be positive when taxes are used to support programs targeting the poor
  - Concerns about regressivity offset by use of revenues for programs directed to poor



# Philippines 'Sin Tax' Reform

## National Government Allocation for Health Insurance Premiums for the Poor





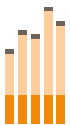
# Impact on the Economy



# Excise Taxes and Jobs

Industries argue that production and consumption of their products makes a significant economic contribution

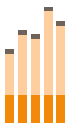
- employment in farming, manufacturing, distribution, retailing, and related sectors
- multiplier effects as income earned in these jobs is spent on other goods & services



# Excise Taxes and Jobs

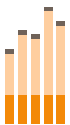
Industry-sponsored studies tell only part of story:

- Focus on the gross impact:
  - New tax or tax increase will lead to decreased consumption of taxed product
  - Results in loss of some jobs dependent on production of taxed product
- Ignore the net impact:
  - Money not spent on taxed product will be spent on other goods and services
  - New/increased tax revenues spent by government
    - ***Offsetting job gains in other sectors***



# Tobacco Taxes and Jobs

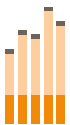
- Many published studies assess impact of reductions in tobacco use from tax increases and/or other tobacco control measures:
  - Variety of high, middle, and low income countries
  - Use alternative methodologies
- Generally find that employment losses in tobacco sector more than offset by gains in other sectors



# Tobacco Taxes and Jobs

Concerns about job losses in tobacco sector have been addressed using new tax revenues:

- Turkey, Philippines among countries that have allocated tobacco tax revenues to helping tobacco farmers and/or those employed in tobacco manufacturing make transition to other livelihoods
  - Crop substitution programs, retraining programs





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## Preventive Medicine

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# Employment changes associated with the introduction of taxes on sugar-sweetened beverages and nonessential energy-dense food in Mexico

Carlos M. Guerrero-López, Mariana Molina, M. Arantxa Colchero\*

Center for Health Systems Research, Instituto Nacional de Salud Pública, Universidad No. 655 Colonia Santa María Ahuacatitlán, Cerrada Los Pinos y Caminera C.P. 62100, Cuernavaca, Mor., Mexico

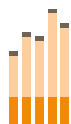
## ARTICLE INFO

### Keywords:

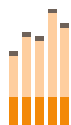
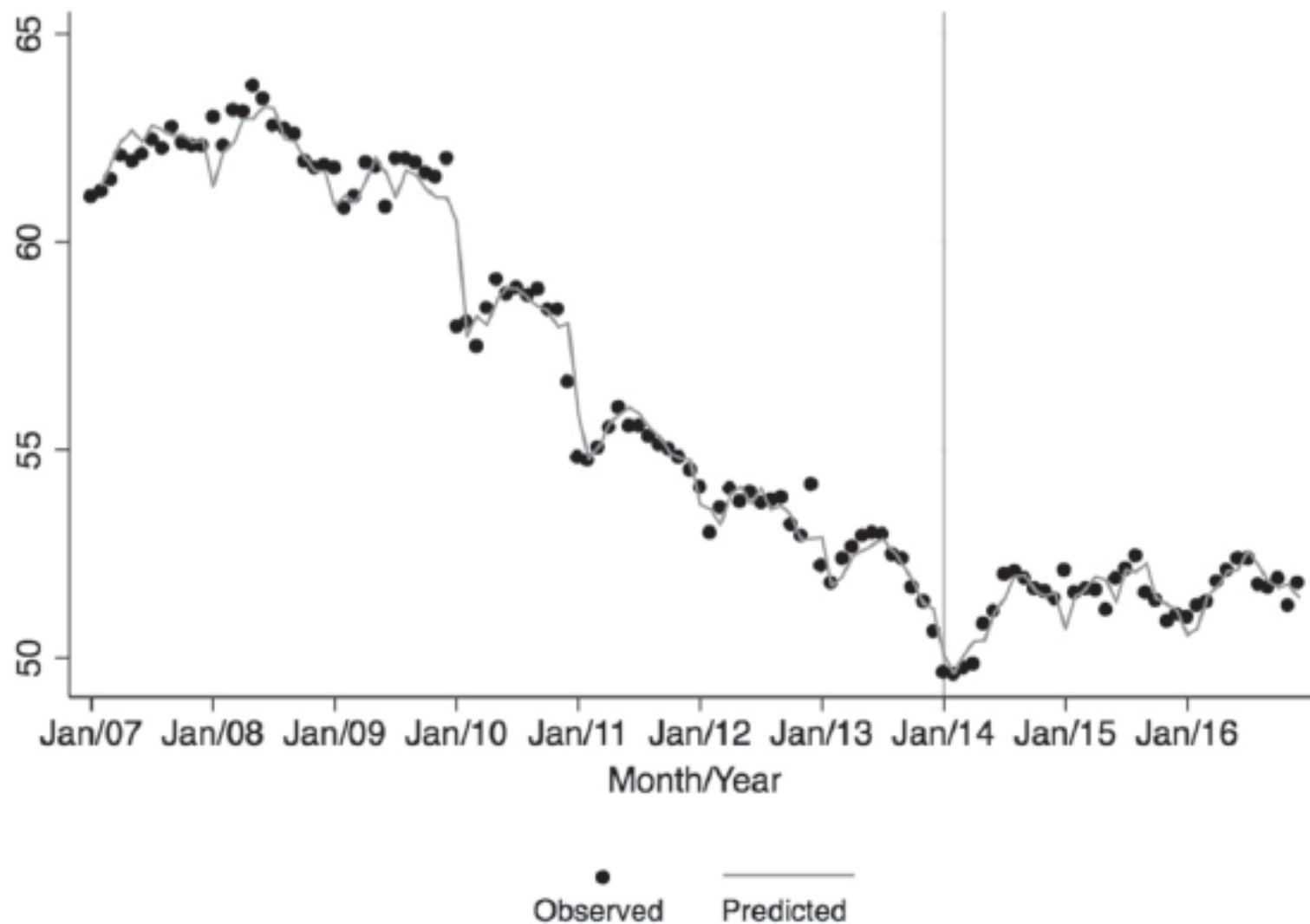
Employment  
Taxes  
Mexico  
Evaluation  
Policy  
Obesity

## ABSTRACT

We assessed changes in employment in the manufacturing industry, the commercial sector and national unemployment rates, associated with the fiscal policies implemented in 2014 in Mexico: a 1 peso per liter excise tax to sugar-sweetened beverages (SSB) and an 8% tax on nonessential energy-dense food. We used data from three nationally representative surveys. Controlling for contextual variables, we used interrupted time series analyses to model changes in number of employees in the SSB and nonessential energy-dense food industry, in commercial establishments selling beverages and food and changes in national unemployment rates. Our results show that there were no significant changes in employment associated with the taxes in the manufacturing industries (for beverages and nonessential energy-dense food). We found a very small increasing trend in the post-tax period for employment in commercial stores and a decreasing trend in the unemployment rate. However, these changes are negligible and unlikely to be caused by the implementation of the taxes. In conclusion, there were no employment reductions associated with the fiscal policies implemented in Mexico in 2014 on SSB and nonessential energy-dense food.

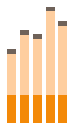
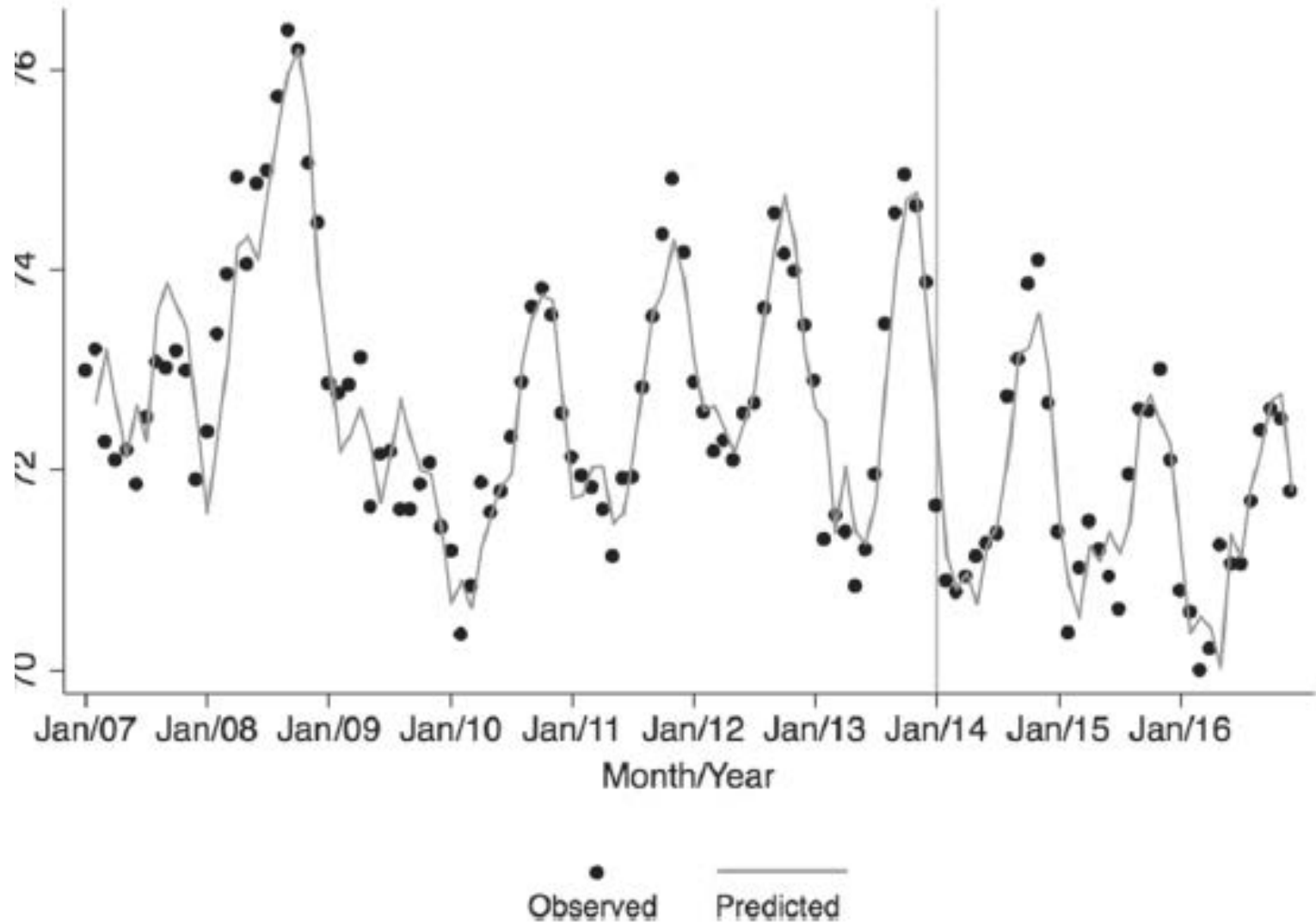


## A- Sugar-sweetened beverages industry



Thousands of employees, Mexico, 2007-2016; Guerrero-Lopez, et al., 2017

## B- Nonessential energy-dense food industry



Thousands of employees, Mexico, 2007-2016; Guerrero-Lopez, et al., 2017

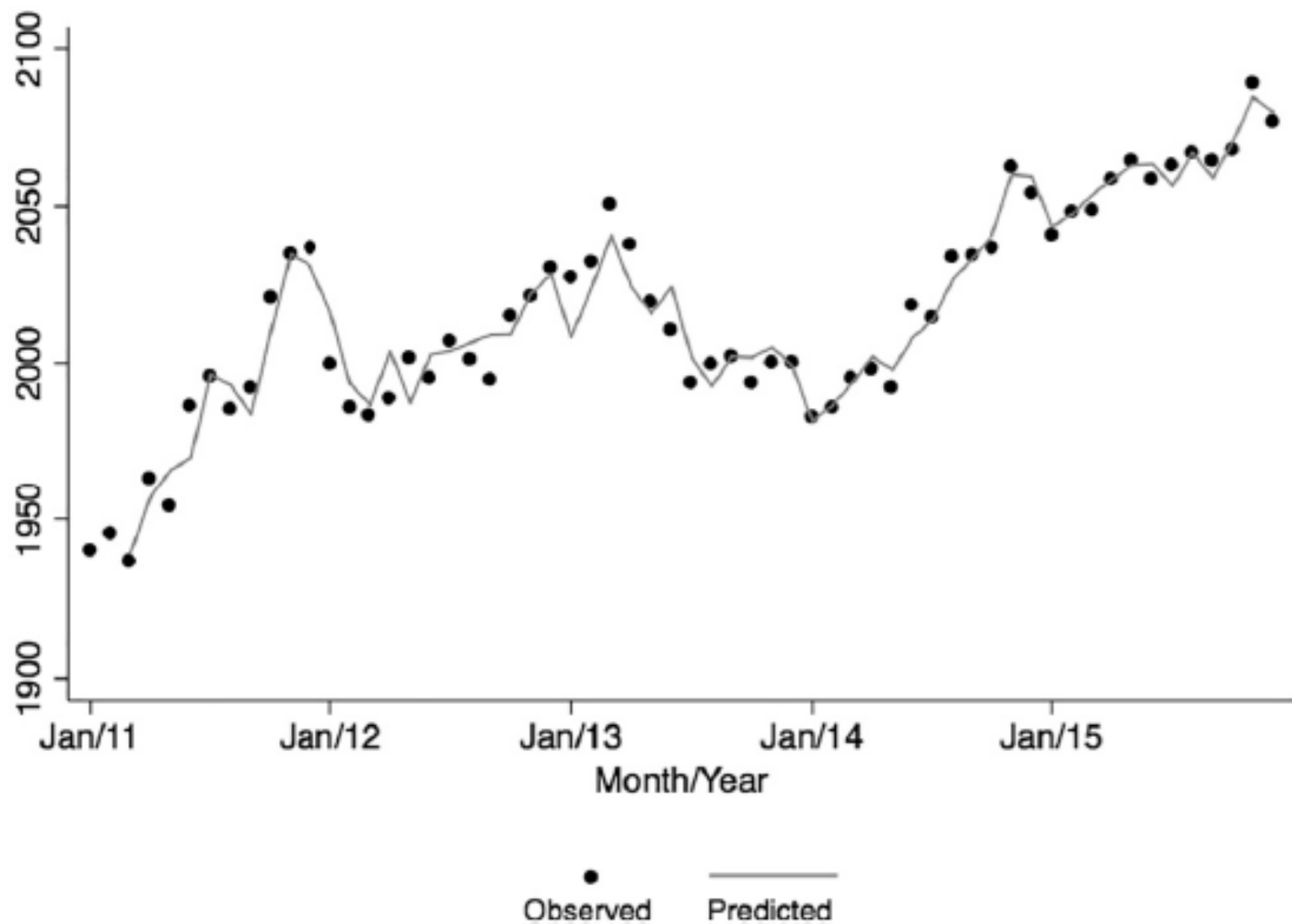
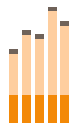


Fig. 2. Thousands of employees in commercial establishments. Mexico, EMEC, 2011–2015.





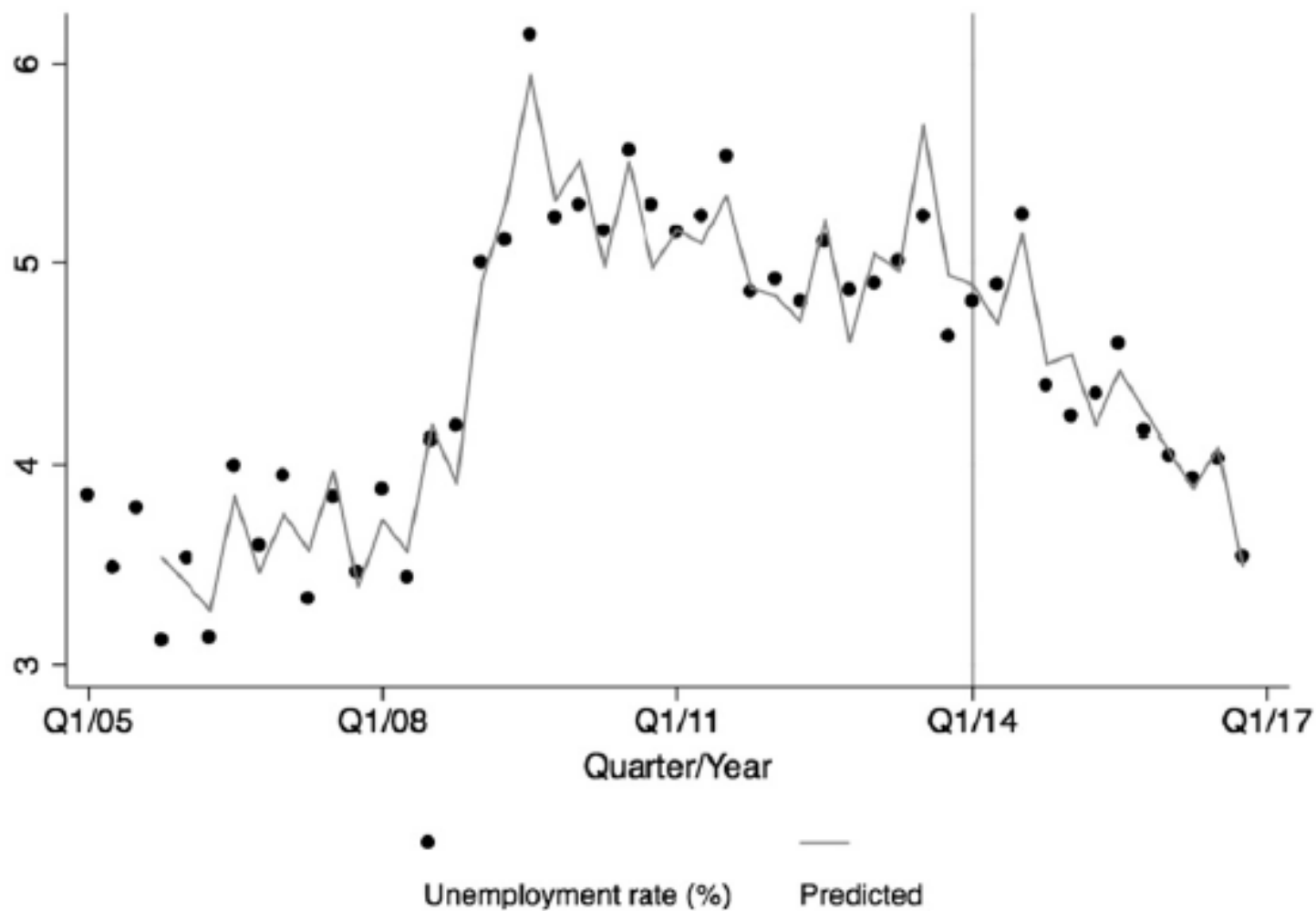


Fig. 3. National unemployment rate. Mexico, ENOE 2005–2016.





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## Preventive Medicine

journal homepage: [www.elsevier.com/locate/ypmed](http://www.elsevier.com/locate/ypmed)Employment impacts of alcohol taxes<sup>☆</sup>Roy Wada<sup>a</sup>, Frank J. Chaloupka<sup>b,c,\*</sup>, Lisa M. Powell<sup>b,c</sup>, David H. Jernigan<sup>d</sup><sup>a</sup> Boston Public Health Commission, 1010 Massachusetts Avenue, 6th Floor, Boston, MA 02118, United States<sup>b</sup> Health Policy Center, Institute for Health Research and Policy, University of Illinois at Chicago, MC 275, 1747 W. Roosevelt Road, Chicago, IL 60608, United States<sup>c</sup> Health Policy and Administration, School of Public Health, University of Illinois at Chicago, Chicago, IL 60608, United States<sup>d</sup> Department of Health, Behavior and Society, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD 21205, United States

## ARTICLE INFO

## Keywords:

Alcohol taxes

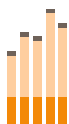
Excise taxes

Sales taxes

Employment

## ABSTRACT

There is strong scientific evidence supporting the effectiveness of increasing alcohol taxes for reducing excessive alcohol consumption and related problems. Opponents have argued that alcohol tax increases lead to job losses. However, there has been no comprehensive economic analysis of the impact of alcohol taxes on employment. To fill this gap, a regional macroeconomic simulation model was used to assess the net impact of two hypothetical alcohol tax increases (a 5-cent per drink excise tax increase and a 5% sales tax increase on beer, wine, and distilled spirits, respectively) on employment in Arkansas, Florida, Massachusetts, New Mexico, and Wisconsin. The model accounted for changes in alcohol demand, average state income, and substitution effects. The employment impact of spending the new tax revenue on general expenditures versus health care was also assessed. Simulation results showed that a 5-cent per drink additional excise tax on alcoholic beverages with new tax revenues allocated to general expenditures increased net employment in Arkansas (802 jobs); Florida (4583 jobs); Massachusetts (978 jobs); New Mexico (653 jobs); and Wisconsin (1167 jobs). A 5% additional sales tax also increased employment in Arkansas (789 jobs); Florida (4493 jobs); Massachusetts (898 jobs); New Mexico (621 jobs); and Wisconsin (991 jobs). Using new alcohol tax revenues to fund health care services resulted in slightly lower net increases in state employment. The overall economic impact of alcohol tax increases cannot be fully assessed without accounting for the job gains resulting from additional tax revenues.



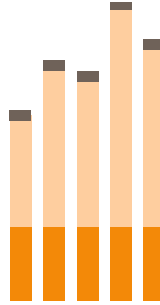
**Table 3**

Simulated impacts of alcohol tax increases on employment (number of jobs) by government revenue allocation in Arkansas, Florida, Massachusetts, New Mexico, and Wisconsin.

		5-Cent excise tax	5% sales tax
Arkansas	Gross	– 323	– 408
	Net (general revenue)	802	789
	Net (health care sector <sup>a</sup> )	67	11
Florida	Gross	– 3281	– 4042
	Net (general revenue)	4583	4493
	Net (health care sector)	1048	687
Massachusetts	Gross	– 1009	– 1248
	Net (general revenue)	978	898
	Net (health care sector)	250	121
New Mexico	Gross	– 334	– 390
	Net (general revenue)	653	621
	Net (health care sector)	139	98
Wisconsin	Gross	– 1078	– 1315
	Net (general revenue)	1167	991
	Net (health care sector)	1064	887

<sup>a</sup> Health care sectors consist of health practitioners; outpatient, laboratory, and other ambulatory care services; home health care services; hospitals; and nursing and residential care facilities.

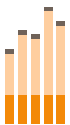




# Summary

# Conclusions

- Higher tobacco and alcohol taxes, and new sugary beverage taxes will significantly reduce consumption
- Reduced consumption will lead to fewer cases of cancer, cardiovascular disease, diabetes, and other non-communicable diseases
- Counterarguments about negative economic impact false or greatly overstated
- Taxes generally considered one of the “best buys” in NCD prevention





Secure | <https://www.bloomberg.org/program/public-health/task-force-fiscal-policy-health/#overview>

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PUBLIC HEALTH

# TASK FORCE ON FISCAL POLICY FOR HEALTH

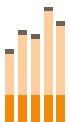
OVERVIEW  
SHARE

“Noncommunicable diseases are a growing global crisis, especially in low-and-middle income countries. There's substantial evidence that taxes and fiscal policies are essential to confronting this health threat. This Task Force will explore which policies can make the biggest difference and help them spread, saving millions of lives.”  
MIKE BLOOMBERG

The Task Force on Fiscal Policy for Health – announced by Mike Bloomberg and economist Larry Summers, former Secretary of the U.S. Treasury and former Director of the National Economic Council – brings together esteemed fiscal policy, development and health leaders from around the globe to address the enormous and growing health and economic burden of noncommunicable diseases – including cardiovascular disease, cancer, chronic respiratory diseases and diabetes – with fiscal policy tools that are currently underutilized by governments and their leaders.

“We have strong evidence from around the world that raising taxes on products like tobacco, sugar sweetened beverages and alcohol is highly effective at reducing harmful consumption and saving lives. I’m grateful for the commitment of this impressive group of leaders, whose expertise and experience will help the Task Force bring attention to the enormous potential of fiscal policies for health.”

LARRY SUMMERS



# THANK YOU!

For more information:

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<http://www.bridgingthegapresearch.org>

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