

SUPPLEMENTARY MATERIAL

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Figure S1. Trends of per-capita cigarette consumption for all countries included in the analysis.

Figure S2. Trends of mortality due to acute myocardial infarction (AMI) for all countries included in the analysis.

Table S1. Years of the intervention (smoking ban laws) by country included in the study and years of intervention used in the main analysis for each indicator.

Country	Year of entry into force	Year of intervention, per-capita cigarette consumption	Year of intervention, AMI mortality
Austria	2009	2009	2009
Belgium	2006, 2007, 2008, 2010, 2011	2006, 2011	2006, 2011
Bulgaria	2005, 2012	NA	2005, 2012
Croatia	2008, 2009, 2010	2008	2008
Cyprus	2002, 2010	NA	2010
Czech Republic	2006, 2017	2006	2006
Denmark	2007, 2012	2007, 2012	2007, 2012
Estonia	2005, 2007	2005	2005
Finland	1976, 1995, 2007	NA	2007
France	1976, 1991, 2007, 2008	1976, 1991, 2007	2007
Germany	2007, 2008	2007	NA
Greece	2003, 2009, 2010	2003, 2009	2003, 2009
Hungary	1999, 2012	1999, 2012	1999, 2012
Ireland	1988, 2004	1988, 2004	2004
Italy	1975, 2005	1975, 2005	2005
Latvia	2005	NA	2005
Lithuania	1996, 2007	2007	2007
Luxembourg	2006, 2014	NA	2006, 2014
Malta	2004, 2011	NA	2004, 2011
The Netherlands	1990, 2004, 2008, 2014	1990, 2004, 2008	NA
Poland	1995, 2010	1995, 2010	2010
Portugal	2008	2008	2008
Romania	2008, 2016	2008	2008
Slovakia	2004, 2009	2004, 2009	2004, 2009
Slovenia	2007	2007	2007
Spain	2006, 2011	2006, 2011	2006, 2011
Sweden	2005	2005	2005
United Kingdom	2006 (Scotland only), 2007	2007	2007

AMI: acute myocardial infarction, NA: data not available

Table S2. Characteristics of countries and smoking bans included in the meta-regression analysis.

Country	Year of intervention	Population aged >65 years, %	HDI	Places where ban applies, type of ban				
				Workplace	Enclosed Public Places	Restaurants	Bars	Public Transport
Austria	2009	17.51	0.895	Near-total	Near-total	Partial	Partial	Near-total
Bulgaria	2005	17.35	0.762	NA	NA	NA	NA	NA
	2012	18.81	0.798	Total	Total	Total	Total	Near-total
Cyprus	2010	11.42	NA	Near-total	Total	Total	Total	Near-total
Czech Republic	2006	14.23	0.852	Partial	Partial	None	None	Near-total
Denmark	2007	15.66	0.911	Near-total	Near-total	Near-total	Partial	Near-total
	2012	17.49	0.931	Near-total	Near-total	Near-total	Partial	Near-total
Finland	2007	16.36	0.857	Near-total	Near-total	Near-total	Near-total	Near-total
Hungary	1999	15.00	0.765	Partial	Partial	Partial	Partial	Partial
	2012	16.58	0.831	Total	Total	Total	Total	Total
Ireland	1988	11.04	NA	NA	NA	NA	NA	NA
	2004	10.49	0.898	Total	Total	Total	Total	Total
Italy	1975	12.19	NA	NA	NA	NA	NA	NA
	2005	19.66	0.865	Near-total	Near-total	Near-total	Near-total	Near-total
Latvia	2005	16.86	0.808	Near-total	Near-total	Near-total	Near-total	Near-total
Lithuania	2007	16.61	0.833	Near-total	Total	Total	Total	Total
Luxembourg	2006	14.33	0.885	Near-total	Total	Near-total	Partial	Near-total
	2014	13.96	0.915	Near-total	Total	Near-total	Total	Total
Malta	2004	13.39	0.823	Total	Total	Total	Total	Total
	2011	16.22	0.857	Total	Total	Total	Total	Total
The Netherlands	1990	12.73	0.836	NA	NA	NA	NA	NA
	2004	14.01	0.892	NA	NA	NA	NA	NA
	2008	14.77	0.913	Near-total	Near-total	Near-total	Partial	Near-total

Poland	1995	10.95	0.745	NA	NA	NA	NA	NA
	2010	13.47	0.84	Near-total	Total	Near-total	Near-total	Near-total
Portugal	2008	17.98	0.817	Partial	Partial	Partial	Partial	Total
Romania	2008	15.53	0.803	Near-total	Near-total	Partial	Partial	Total
Slovakia	2004	11.58	0.784	NA	NA	NA	NA	NA
	2009	12.26	0.825	Near-total	Total	Near-total	None	Near-total
Slovenia	2007	16.02	0.888	Near-total	Near-total	Near-total	Near-total	Near-total
Spain	2006	16.70	0.856	Total	Total	Near-total	Near-total	Near-total
	2011	17.33	0.878	Total	Total	Total	Total	Total
Sweden	2005	17.31	0.904	Near-total	Near-total	Near-total	Near-total	Near-total
United Kingdom	2007	16.17	0.899	Total	Total	Total	Total	Total

NA: data not available, HDI: human development index

Partial ban: smoking allowed in smoking zones or ban exemptions for certain categories of venues

Near-total ban: smoking allowed only in enclosed separate rooms.

Total ban: smoking not allowed.

Table S3. Results of the interrupted time series analysis regarding cigarette consumption for countries with data availability for less than three years before and after each smoking ban law (results representing significant reductions are reported in bold).

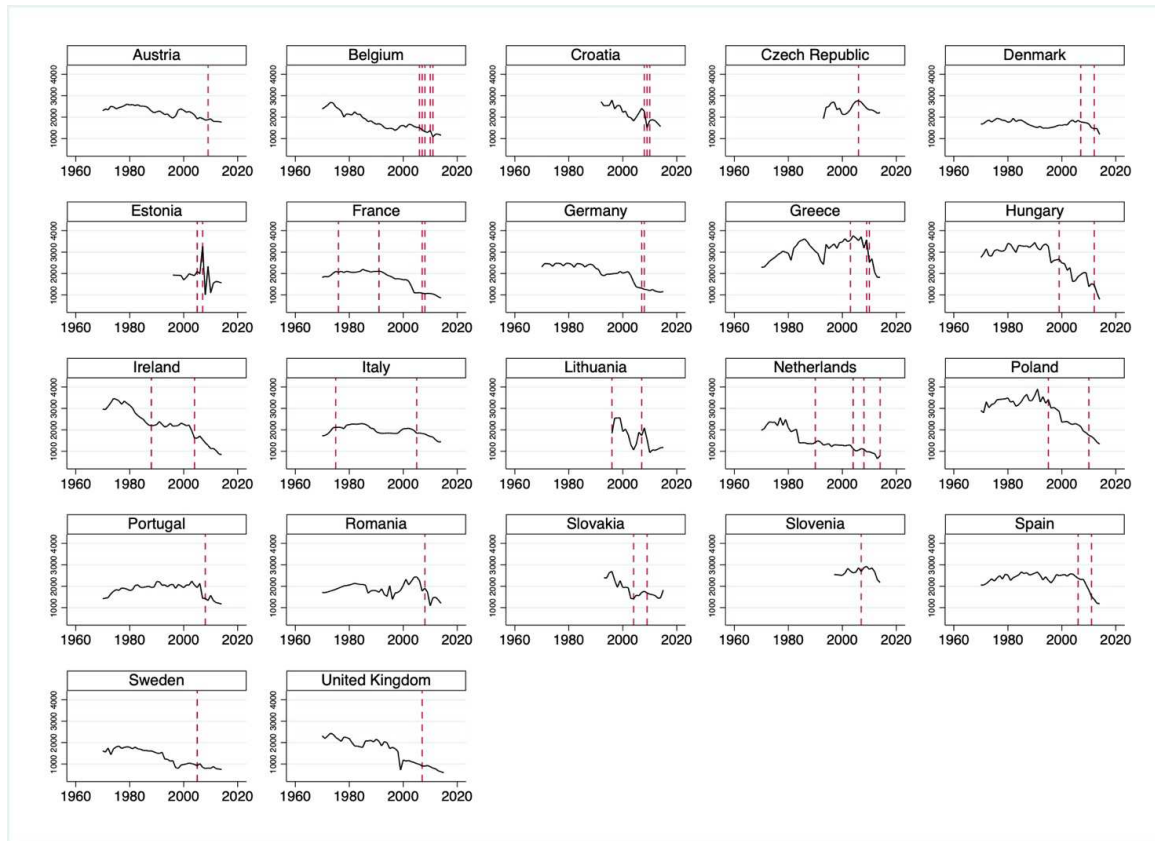
Country, year of the intervention	Level change
	RR (95%CI)
Belgium	
2006	1.06 (0.90, 1.26)
2007	0.99 (0.84, 1.18)
2008	0.95 (0.82, 1.08)
2010	1.01 (0.84, 1.21)
2011	0.90 (0.80, 1.02)
Croatia	
2008	1.09 (0.92, 1.30)
2009	0.71 (0.58, 0.86)
2010	0.87 (0.74, 1.01)
Estonia	
2005	1.30 (0.83, 2.03)
2007	1.17 (0.71, 1.95)
France	
1976	1.37 (1.20, 1.55)
1991	1.45 (1.16, 1.82)
2007	1.22 (0.86, 1.74)
2008	1.14 (0.83, 1.58)
Germany	
2007	0.76 (0.64, 0.89)
2008	0.75 (0.68, 0.82)
Greece	
2003	1.02 (0.90, 1.15)
2009	1.00 (0.79, 1.26)
2010	0.60 (0.52, 0.69)
Netherlands	
1990	1.07 (0.92, 1.25)
2004	1.09 (0.86, 1.38)
2008	1.04 (0.80, 1.35)
2014	1.07 (0.75, 1.52)

RR: rate ratio, CI: confidence interval

Table S4. Results of the interrupted time series analysis regarding AMI mortality for countries with data availability for less than three years before and after each smoking ban law (results representing significant reductions are reported in bold).

Country, year of the intervention	Level change
	RR (95%CI)
Belgium	
2006	0.92 (0.90, 0.95)
2007	0.95 (0.92, 0.97)
2008	0.95 (0.92, 0.97)
2010	0.95 (0.92, 0.98)
2011	0.94 (0.90, 0.97)
Croatia	
2008	0.91 (0.81, 1.02)
2009	0.92 (0.85, 1.00)
2010	0.97 (0.89, 1.06)
Czech Republic	
2006	0.97 (0.97, 1.09)
2017	1.00 (0.81, 1.23)
Estonia	
2005	1.10 (0.90, 1.34)
2007	0.91 (0.74, 1.12)
France	
2007	0.97 (0.92, 1.02)
2008	0.93 (0.88, 0.98)
Greece	
2003	1.03 (0.96, 1.11)
2009	1.00 (0.89, 1.14)
2010	0.92 (0.81, 1.04)
Romania	
2008	0.86 (0.79, 0.95)
2016	0.79 (0.68, 0.92)

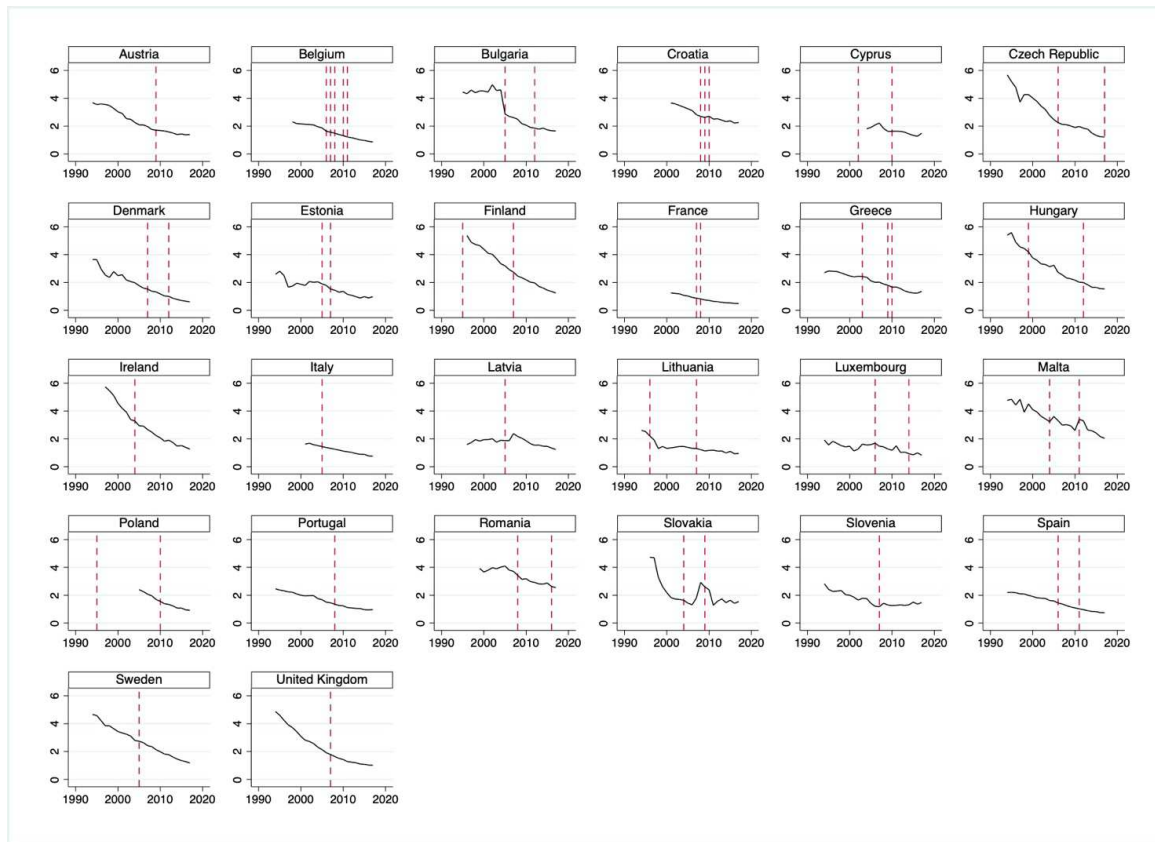
RR: rate ratio, CI: confidence interval

Figure S1. Trends of per-capita cigarette consumption for all countries included in the analysis.

Vertical dashed lines represent smoking bans that entered into force between 1970 and 2015.

Vertical axis displays per-capita cigarette consumption, horizontal axis displays years.

Figure S2. Trends of mortality due to acute myocardial infarction (AMI) for all countries included in the analysis.



Vertical dashed lines represent smoking bans that entered into force between 1994 and 2017.

Vertical axis displays standardized AMI mortality ratios, horizontal axis displays years.