Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Tax changes on manufactured cigarettes, 1982—2018

Taxes on manufactured cigarettes were successively increased in 1982, 1995 and 1998. The ad-valorem tax (applied on the industry-reported retail price) was increased from 42.9 to 52.9% in 1982, to 55.4% in 1995 and to 60.4% in November 1998 (effective from January 1999). In 2010, to help finance reconstruction after a devastating earthquake, the ad-valorem excise tax rate was increased marginally from 60.4% to 62.3% and a small inflation-adjusted specific tax of 50CLP (approximately 0.08USD) per pack of 20 cigarettes (about 3% of retail price) was introduced. In 2012, the ad-valorem tax was decreased to 60.5% while the inflation-adjusted specific tax was roughly doubled to about 100CLP; on net, this tax change put little upward pressure on prices. Finally, in 2014 the ad-valorem tax was further decreased to 30%; a change which was more than offset by a more than eight-fold increase in the inflation-adjusted specific tax to about 875CLP (1.30USD) per pack of 20 cigarettes. As a result, the structure of cigarette taxes shifted from a predominantly proportional ad-valorem excise tax-based approach to one that relies on a fixed per-pack specific tax. The intended effect of such a change in tax structure was to raise the price of cheaper brands by proportionally more than higher priced 'premium brands. The tax burden on premium brands, on the other hand, likely actually fell.

eTable 1. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — full results

Model	(1)				(2)			
Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
Prices (in ln)								
cigarette	-0.36	(0.020)***	0.70	(0.67, 0.72)	-0.27	(0.026)***	0.76	(0.73, 0.81)
alcohol	1.06	(0.064)***	2.89	(2.55, 3.29)	1.07	(0.064)***	2.92	(2.56, 3.29)
Law 20105, August 2006	-0.16	(0.012)***	0.85	(0.83, 0.87)	-0.22	(0.016)***	0.80	(0.78, 0.83)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	0.74	(0.143)***	2.10	(1.59, 2.78)
Education, mother (ref, primary)								
secondary	0.04	(0.008)***	1.04	(0.85, 0.87)	0.04	(0.008)***	1.04	(1.59, 2.78)
> secondary	0.03	(0.009)***	1.03	(1.03, 1.06)	0.03	(0.009)***	1.03	(1.03, 1.06)
School type (ref, pública municipal)								
privada subvencionada	0.01	(0.009)	1.01	(1.01, 1.05)	0.01	(0.009)	1.01	(1.01, 1.05)
privada pagada	-0.03	(0.012)**	0.97	(0.99, 1.03)	-0.03	(0.012)**	0.97	(0.99, 1.03)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.021)**	0.95	(0.91, 0.99)	-0.05	(0.021)**	0.95	(0.91, 0.99)
Atacama	-0.05	(0.025)*	0.95	(0.91, 1.00)	-0.05	(0.025)**	0.95	(0.91, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.11	(0.019)***	0.90	(0.87, 0.93)	-0.11	(0.019)***	0.90	(0.87, 0.93)
Maule	-0.20	(0.016)***	0.82	(0.79, 0.84)	-0.20	(0.016)***	0.82	(0.79, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.87, 0.91)	-0.12	(0.013)***	0.89	(0.87, 0.91)
Araucanía	-0.13	(0.021)***	0.88	(0.84, 0.91)	-0.13	(0.021)***	0.88	(0.84, 0.91)
Los Lagos	-0.03	(0.017)*	0.97	(0.94, 1.00)	-0.03	(0.017)*	0.97	(0.94, 1.00)
Aysén	0.03	(0.038)	1.03	(0.96, 1.11)	0.03	(0.038)	1.03	(0.96, 1.11)
Magallanes	0.05	(0.030)*	1.05	(0.99, 1.12)	0.05	(0.030)*	1.05	(1.00, 1.12)
Duration dependency								

Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
t	0.05	(0.002)***			0.05	(0.002)***		
t^2	0.00	(0.000)***			0.00	(0.000)***		
Model	**(1)**				**(2)**			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
t^3	-0.00	(0.000)***			-0.00	(0.000)***		
Interactions								
cig. price x sex					-0.20	(0.032)***		
cig. price x 'secondary'								
cig. price x > 'secondary'								
cig. price x 'privada subvencionada'								
cig. price x 'privada pagada'								
Law 20105 x sex					0.12	(0.020)***		
Law 20105 x secondary								
Law 20105 x > secondary								
Law 20105 x 'privada subvencionada'								
Law 20105 x 'privada pagada'								
cig. price x Law 20105								
Intercept	-11.15	(0.321)***			-11.58	(0.326)***		
Prices, cigarettes (in ln)								
all	-0.36	(0.020)***	0.70	(0.67, 0.72)	-0.37	(0.020)***	0.69	(0.67, 0.72)
sex: female					-0.27	(0.026)***	0.76	(0.73, 0.81)
sex: male					-0.47	(0.025)***	0.63	(0.60, 0.66)
mother's education: primary								
mother's education: secondary								
mother's education: > secondary								
school: pública municipal								
school: privada subvencionada								
school: privada pagada								

	pre Law 20105							
post Law 20105								
Law 20105, August 2006								
Model	**(1)**				**(2)**			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
all	-0.16	(0.012)***	0.85	(0.83, 0.87)	-0.16	(0.012)***	0.85	(0.83, 0.87)
sex: female					-0.22	(0.016)***	0.80	(0.78, 0.83)
sex: male					-0.10	(0.015)***	0.90	(0.88, 0.93)
mother's education: primary								
mother's education: secondary								
mother's education: > secondary								
school: pública municipal								
school: privada subvencionada								
school: privada pagada								

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 1. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — full results (cont.).

Model	(3)				(4)			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Prices (in ln)								
cigarette	-0.36	(0.039)***	0.70	(0.65, 0.75)	-0.44	(0.030)***	0.64	(0.61, 0.68)
alcohol	1.07	(0.064)***	2.92	(2.56, 3.29)	0.95	(0.068)***	2.59	(2.28, 2.97)
Law 20105, August 2006	-0.10	(0.025)***	0.90	(0.86, 0.95)	-0.83	(0.193)***	0.44	(0.30, 0.64)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	-0.15	(0.006)***	0.86	(0.85, 0.87)
Education, mother (ref, primary)								
secondary	0.17	(0.175)	1.19	(0.85, 0.87)	0.04	(0.008)***	1.04	(0.85, 0.87)
> secondary	-0.09	(0.202)	0.91	(0.84, 1.67)	0.03	(0.009)***	1.03	(1.03, 1.06)
School type (ref, pública municipal)								
privada subvencionada	0.19	(0.178)	1.21	(0.62, 1.36)	0.01	(0.009)	1.01	(1.01, 1.05)
privada pagada	-0.37	(0.263)	0.69	(0.86, 1.72)	-0.03	(0.012)**	0.97	(0.99, 1.03)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.04	(0.021)**	0.96	(0.92, 1.00)	-0.05	(0.021)**	0.95	(0.92, 1.00)
Atacama	-0.05	(0.025)*	0.95	(0.91, 1.00)	-0.05	(0.025)**	0.95	(0.91, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.91, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.11	(0.020)***	0.90	(0.87, 0.93)	-0.11	(0.020)***	0.90	(0.86, 0.93)
Maule	-0.20	(0.016)***	0.82	(0.79, 0.84)	-0.20	(0.016)***	0.82	(0.79, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.87, 0.91)	-0.12	(0.013)***	0.89	(0.87, 0.91)
Araucanía	-0.13	(0.021)***	0.88	(0.84, 0.91)	-0.13	(0.021)***	0.88	(0.84, 0.91)
Los Lagos	-0.03	(0.017)*	0.97	(0.94, 1.01)	-0.03	(0.017)*	0.97	(0.94, 1.00)
Aysén	0.03	(0.039)	1.03	(0.96, 1.11)	0.03	(0.038)	1.03	(0.96, 1.12)
Magallanes	0.06	(0.030)*	1.06	(1.00, 1.12)	0.05	(0.030)*	1.05	(0.99, 1.12)
Duration dependency								

Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
t	0.05	(0.002)***			0.05	(0.002)***		
Model	**(3)**				**(4)**			
Variables	***Est.***	***SE***	***HR***	***CI***	***Est.***	***SE***	***HR***	***CI***
t^2	0.00	(0.000)***			0.00	(0.000)***		
t^3	-0.00	(0.000)***			-0.00	(0.000)***		
Interactions								
cig. price x sex	0	0						
cig. price x 'secondary'	-0.03	(0.039)						
cig. price x > 'secondary'	0.03	(0.045)						
cig. price x 'privada subvencionada'	-0.04	(0.040)						
cig. price x 'privada pagada'	0.08	(0.059)						
Law 20105 x sex	0	0						
Law 20105 x secondary	-0.02	(0.024)						
Law 20105 x > secondary	-0.08	(0.029)***						
Law 20105 x 'privada subvencionada'	-0.03	(0.025)						
Law 20105 x 'privada pagada'	-0.09	(0.039)**						
cig. price x Law 20105	0	0			0.14	(0.041)***		
Intercept	-11.19	(0.353)***			-10.29	(0.376)***		
Prices, cigarettes (in ln)								
all	-0.36	(0.020)***	0.70	(0.67, 0.72)	-0.40	(0.022)***	0.67	(0.65, 0.70)
sex: female								
sex: male								
mother's education: primary	-0.37	(0.035)***	0.69	(0.65, 0.74)				
mother's education: secondary	-0.40	(0.027)***	0.67	(0.64, 0.71)				
mother's education: > secondary	-0.32	(0.030)***	0.73	(0.69, 0.77)				
school: pública municipal	-0.37	(0.029)***	0.69	(0.66, 0.74)				
school: privada subvencionada	-0.40	(0.028)***	0.67	(0.64, 0.71)				
school: privada pagada	-0.26	(0.050)***	0.77	(0.70, 0.85)				

Variables					-0.44	(0.030)***	0.64	(0.61, 0.68)
pre Law 20105					-0.44	(0.030)***	0.64	(0.61, 0.68)
post Law 20105					-0.30	(0.027)***	0.74	(0.70, 0.78)
Model	**(3)**				**(4)**			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Law 20105, August 2006								
all	-0.16	(0.012)***	0.85	(0.83, 0.87)	-0.19	(0.014)***	0.83	(0.81, 0.85)
sex: female								
sex: male								
mother's education: primary	-0.11	(0.022)***	0.90	(0.85, 0.93)				
mother's education: secondary	-0.14	(0.016)***	0.87	(0.84, 0.90)				
mother's education: > secondary	-0.22	(0.019)***	0.80	(0.77, 0.83)				
school: pública municipal	-0.13	(0.019)***	0.88	(0.85, 0.92)				
school: privada subvencionada	-0.16	(0.016)***	0.85	(0.82, 0.88)				
school: privada pagada	-0.25	(0.033)***	0.78	(0.73, 0.83)				

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 1. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — full results (cont.).

Model	(5)			
Variables	*Est.*	*SE*	*HR*	*CI*
Prices (in ln)				
cigarette	-0.35	(0.047)***	0.70	(0.64, 0.77)
alcohol	0.95	(0.068)***	2.59	(2.26, 2.95)
Law 20105, August 2006	-0.87	(0.196)***	0.42	(0.28, 0.61)
Sex (ref, boys)	0.76	(0.143)***	2.14	(1.61, 2.82)
Education, mother (ref, primary)				
secondary	0.16	(0.174)	1.17	(1.61, 2.82)
> secondary	-0.02	(0.202)	0.98	(0.84, 1.66)
School type (ref, pública municipal)				
privada subvencionada	0.20	(0.177)	1.22	(0.66, 1.45)
privada pagada	-0.46	(0.263)*	0.63	(0.87, 1.73)
Region (ref, Santiago)				
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.04	(0.021)**	0.96	(0.92, 1.00)
Atacama	-0.05	(0.025)*	0.95	(0.91, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.91, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.11	(0.020)***	0.90	(0.86, 0.93)
Maule	-0.20	(0.016)***	0.82	(0.79, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.87, 0.91)
Araucanía	-0.13	(0.021)***	0.88	(0.84, 0.91)
Los Lagos	-0.03	(0.017)*	0.97	(0.94, 1.00)
Aysén	0.03	(0.039)	1.03	(0.96, 1.12)
Magallanes	0.06	(0.030)*	1.06	(1.00, 1.12)
Duration dependency				

Variables	Est.	SE	HR	CI
t	0.05	(0.002)***		
Model	**(5)**			
Variables	**Est.**	**SE**	**HR**	**CI**
t^2	0.00	(0.000)***		
t^3	-0.00	(0.000)***		
Interactions				
cig. price x sex	-0.20	(0.032)***		
cig. price x 'secondary'	-0.02	(0.039)		
cig. price x > 'secondary'	0.02	(0.045)		
cig. price x 'privada subvencionada'	-0.04	(0.040)		
cig. price x 'privada pagada'	0.10	(0.059)*		
Law 20105 x sex	0.12	(0.020)***		
Law 20105 x secondary	-0.03	(0.025)		
Law 20105 x > secondary	-0.08	(0.029)***		
Law 20105 x 'privada subvencionada'	-0.03	(0.025)		
Law 20105 x 'privada pagada'	-0.10	(0.040)**		
cig. price x Law 20105	0.15	(0.041)***		
Intercept	-10.72	(0.407)***		
Prices, cigarettes (in ln)				
all	-0.40	(0.022)***	0.67	(0.64, 0.70)
sex: female	-0.30	(0.027)***	0.74	(0.70, 0.78)
sex: male	-0.50	(0.027)***	0.61	(0.57, 0.64)
mother's education: primary	-0.41	(0.036)***	0.66	(0.62, 0.71)
mother's education: secondary	-0.44	(0.028)***	0.64	(0.61, 0.68)
mother's education: > secondary	-0.36	(0.031)***	0.70	(0.66, 0.74)
school: pública municipal	-0.41	(0.031)***	0.66	(0.63, 0.71)
school: privada subvencionada	-0.44	(0.030)***	0.64	(0.61, 0.68)
school: privada pagada	-0.30	(0.049)***	0.74	(0.67, 0.82)
pre Law 20105	-0.45	(0.030)***	0.64	(0.60, 0.67)

Variables	Est.	SE	HR	CI
post Law 20105	-0.30	(0.027)***	0.74	(0.70, 0.78)
Model		**(5)**		
Variables	*Est.*	*SE*	*HR*	*CI*
Law 20105, August 2006				
all	-0.19	(0.014)***	0.83	(0.81, 0.85)
sex: female	-0.25	(0.018)***	0.78	(0.76, 0.81)
sex: male	-0.13	(0.017)***	0.88	(0.85, 0.91)
mother's education: primary	-0.15	(0.024)***	0.86	(0.83, 0.91)
mother's education: secondary	-0.17	(0.018)***	0.84	(0.82, 0.88)
mother's education: > secondary	-0.24	(0.020)***	0.79	(0.76, 0.82)
school: pública municipal	-0.15	(0.021)***	0.86	(0.83, 0.90)
school: privada subvencionada	-0.19	(0.018)***	0.83	(0.80, 0.86)
school: privada pagada	-0.28	(0.035)***	0.76	(0.71, 0.81)

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 2. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — prices

Model	(1)				(2)			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Prices (in *ln*)								
cigarette	-0.55	(0.015)***	0.58	(0.56, 0.59)	-0.53	(0.018)***	0.59	(0.57, 0.61)
alcohol	1.37	(0.063)***	3.94	(3.49, 4.47)	1.37	(0.063)***	3.94	(3.49, 4.47)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	0.10	(0.097)	1.11	(0.91, 1.34)
Education, mother (ref, primary)								
secondary	0.04	(0.008)***	1.04	(1.03, 1.06)	0.04	(0.008)***	1.04	(1.03, 1.06)
> secondary	0.03	(0.009)***	1.03	(1.01, 1.05)	0.03	(0.009)***	1.03	(1.01, 1.05)
School type (ref, pública municipal)								
privada subvencionada	0.01	(0.009)	1.01	(0.99, 1.03)	0.01	(0.009)	1.01	(0.99, 1.03)
privada pagada	-0.03	(0.012)***	0.97	(0.94, 0.99)	-0.03	(0.012)***	0.97	(0.94, 0.99)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.022)**	0.95	(0.91, 0.99)	-0.05	(0.022)**	0.95	(0.91, 0.99)
Atacama	-0.05	(0.025)**	0.95	(0.90, 1.00)	-0.05	(0.025)**	0.95	(0.90, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.12	(0.020)***	0.89	(0.86, 0.92)	-0.12	(0.020)***	0.89	(0.86, 0.92)
Maule	-0.21	(0.017)***	0.81	(0.79, 0.84)	-0.21	(0.017)***	0.81	(0.79, 0.84)

Model	(1)				(2)			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Biobío	-0.12	(0.013)***	0.89	(0.86, 0.91)	-0.12	(0.013)***	0.89	(0.86, 0.91)
Araucanía	-0.14	(0.021)***	0.87	(0.84, 0.91)	-0.14	(0.021)***	0.87	(0.84, 0.91)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)	-0.04	(0.017)**	0.96	(0.93, 1.00)
Aysén	0.02	(0.040)	1.02	(0.95, 1.11)	0.02	(0.040)	1.02	(0.95, 1.11)
Magallanes	0.05	(0.031)	1.05	(0.99, 1.11)	0.05	(0.031)	1.05	(0.99, 1.11)
Duration dependency								
t	0.05	(0.002)***			0.05	(0.002)***		
t^2	0.00	(0.000)***			0.00	(0.000)***		
t^3	-0.00	(0.000)***			-0.00	(0.000)***		
Interactions								
cig. price x sex					-0.05	(0.021)**		
cig. price x 'secondary'								
cig. price x > 'secondary'								
cig. price x 'privada subvencionada'								
cig. price x 'privada pagada'								
Intercept	-11.78	(0.325)***			-11.90	(0.326)***		
Own-price elasticities for cigarettes								
sex: female					-0.52	(0.018)***		
sex: male					-0.58	(0.018)***		
mother's education: primary								
mother's education: secondary								
mother's education: > secondary								
school: pública municipal								
school: privada subvencionada								
school: privada pagada								

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 2. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — prices (cont.)

Model	(3)				(4)			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Prices (in *ln*)								
cigarette	-0.49	(0.024)***	0.61	(0.58, 0.64)	-0.51	(0.020)***	0.60	(0.58, 0.63)
alcohol	1.38	(0.063)***	3.97	(3.50, 4.50)	1.37	(0.063)***	3.94	(3.49, 4.47)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	-0.15	(0.006)***	0.86	(0.85, 0.87)
Education, mother (ref, primary)								
secondary	0.34	(0.118)***	1.40	(1.12, 1.77)	0.04	(0.008)***	1.04	(1.03, 1.06)
> secondary	0.46	(0.134)***	1.58	(1.22, 2.06)	0.03	(0.009)***	1.03	(1.01, 1.05)
School type (ref, pública municipal)								
privada subvencionada	0.01	(0.009)	1.01	(0.99, 1.03)	0.41	(0.127)***	1.51	(1.17, 1.93)
privada pagada	-0.03	(0.012)***	0.97	(0.95, 0.99)	0.20	(0.162)	1.22	(0.89, 1.68)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.022)**	0.95	(0.91, 0.99)	-0.05	(0.022)**	0.95	(0.91, 1.00)
Atacama	-0.05	(0.025)**	0.95	(0.90, 1.00)	-0.05	(0.025)**	0.95	(0.90, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.12	(0.020)***	0.89	(0.86, 0.92)	-0.12	(0.020)***	0.89	(0.86, 0.93)
Maule	-0.21	(0.017)***	0.81	(0.79, 0.84)	-0.21	(0.017)***	0.81	(0.79, 0.84)

Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
Biobío	-0.12	(0.013)***	0.89	(0.86, 0.91)	-0.12	(0.013)***	0.89	(0.86, 0.91)
Araucanía	-0.14	(0.021)***	0.87	(0.84, 0.91)	-0.14	(0.021)***	0.87	(0.84, 0.91)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)	-0.04	(0.018)**	0.96	(0.93, 1.00)
Aysén	0.02	(0.040)	1.02	(0.95, 1.11)	0.02	(0.040)	1.02	(0.95, 1.11)
Magallanes	0.05	(0.031)	1.05	(0.99, 1.12)	0.05	(0.031)	1.05	(0.99, 1.12)
Duration dependency								
t	0.05	(0.002)***			0.05	(0.002)***		
t^2	0.00	(0.000)***			0.00	(0.000)***		
t^3	-0.00	(0.000)***			-0.00	(0.000)***		
Interactions								
cig. price x sex								
cig. price x 'secondary'	-0.07	(0.025)**						
Model	**(3)**				**(4)**			
Variables	**Est.**	**SE**	**HR**	**CI**	**Est.**	**SE**	**HR**	**CI**
cig. price x > 'secondary'	-0.09	(0.029)***						
cig. price x 'privada subvencionada'					-0.09	(0.027)***		
cig. price x 'privada pagada'					-0.05	(0.035)		
Intercept	-12.09	(0.336)***			-11.99	(0.331)***		
Own-price elasticities for cigarettes								
sex: female								
sex: male								
mother's education: primary	-0.49	(0.024)***						
mother's education: secondary	-0.55	(0.019)***						
mother's education: > secondary	-0.58	(0.020)***						
school: pública municipal					-0.50	(0.020)***		
school: privada subvencionada					-0.59	(0.021)***		

| school: privada pagada | | | | | -0.55 | (0.030)*** | | |

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 2. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — prices (cont.)

Model	(5)			
Variables	*Est.*	*SE*	*HR*	*CI*
Prices (in *ln*)				
cigarette	-0.44	(0.028)***	0.64	(0.61, 0.68)
alcohol	1.38	(0.063)***	3.97	(3.50, 4.49)
Sex (ref, boys)	0.09	(0.098)	1.09	(0.90, 1.32)
Education, mother (ref, primary)				
secondary	0.30	(0.119)**	1.35	(1.07, 1.70)
> secondary	0.41	(0.138)***	1.51	(1.15, 1.97)
School type (ref, pública municipal)				
privada subvencionada	0.36	(0.128)***	1.43	(1.12, 1.85)
privada pagada	0.06	(0.169)	1.06	(0.77, 1.48)
Region (ref, Santiago)				
Arica, Parinacota, Tarapacá	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.022)**	0.95	(0.91, 0.99)
Atacama	-0.05	(0.025)**	0.95	(0.90, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.12	(0.020)***	0.89	(0.86, 0.93)
Maule	-0.21	(0.017)***	0.81	(0.79, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.86, 0.91)
Araucanía	-0.14	(0.021)***	0.87	(0.84, 0.91)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)
Aysén	0.02	(0.040)	1.02	(0.95, 1.11)
Magallanes	0.05	(0.031)	1.05	(0.99, 1.12)
Duration dependency				
t	0.05	(0.002)***		
t^2	0.00	(0.000)***		
t^3	-0.00	(0.000)***		
Interactions				

Variables	Est.	SE	HR	CI
cig. price x sex	-0.05	(0.021)**		
cig. price x 'secondary'	-0.06	(0.026)**		
Model	**(5)**			
Variables	***Est.***	***SE***	***HR***	***CI***
cig. price x > 'secondary'	-0.08	(0.029)***		
cig. price x 'privada subvencionada'	-0.08	(0.027)***		
cig. price x 'privada pagada'	-0.02	(0.036)		
Intercept	-12.33	(0.340)***		
Own-price elasticities for cigarettes				
sex: female	-0.52	(0.018)***		
sex: male	-0.58	(0.018)***		
mother's education: primary	-0.49	(0.024)***		
mother's education: secondary	-0.56	(0.019)***		
mother's education: > secondary	-0.58	(0.020)***		
school: pública municipal	-0.50	(0.020)***		
school: privada subvencionada	-0.59	(0.021)***		
school: privada pagada	-0.55	(0.030)***		

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 3. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — Law 20105

Model	(1)				(2)			
Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
Law 20105, August 2006	-0.38	(0.009)***	0.68	(0.67, 0.69)	-0.39	(0.011)***	0.68	(0.66, 0.69)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	-0.16	(0.008)***	0.85	(0.84, 0.87)
Education, mother (ref, primary)								
secondary	0.03	(0.008)***	1.03	(1.02, 1.05)	0.03	(0.008)***	1.03	(1.02, 1.05)
> secondary	0.01	(0.009)	1.01	(1.00, 1.03)	0.01	(0.009)	1.01	(1.00, 1.03)
School type (ref, pública municipal)								
privada subvencionada	0.00	(0.009)	1.00	(0.99, 1.02)	0.00	(0.009)	1.00	(0.99, 1.02)
privada pagada	-0.02	(0.012)	0.98	(0.96, 1.01)	-0.01	(0.012)	0.99	(0.96, 1.01)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.020)***	0.84	(0.80, 0.86)	-0.18	(0.020)***	0.84	(0.80, 0.86)
Antofagasta	-0.05	(0.021)**	0.95	(0.91, 0.99)	-0.05	(0.021)**	0.95	(0.91, 0.99)
Atacama	-0.05	(0.026)*	0.95	(0.90, 1.00)	-0.05	(0.026)*	0.95	(0.90, 1.00)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)

Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
O'Higgins	-0.11	(0.020)***	0.90	(0.86, 0.93)	-0.11	(0.020)***	0.90	(0.86, 0.93)
Maule	-0.21	(0.016)***	0.81	(0.78, 0.84)	-0.21	(0.016)***	0.81	(0.78, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.86, 0.91)	-0.12	(0.013)***	0.89	(0.86, 0.91)
Araucanía	-0.14	(0.020)***	0.87	(0.83, 0.90)	-0.14	(0.020)***	0.87	(0.83, 0.90)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)	-0.04	(0.017)**	0.96	(0.93, 1.00)
Aysén	0.03	(0.037)	1.03	(0.96, 1.11)	0.03	(0.037)	1.03	(0.96, 1.11)
Magallanes	0.05	(0.030)*	1.05	(0.99, 1.12)	0.05	(0.030)*	1.05	(0.99, 1.12)
Duration dependency								

Model	(1)				(2)			
Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
t	0.05	(0.002)***	1.05	(1.05, 1.06)	0.05	(0.002)***	1.05	(1.05, 1.06)
t^2	0.00	(0.000)***	1.00	(1.00, 1.00)	0.00	(0.000)***	1.00	(1.00, 1.00)
t^3	-0.00	(0.000)***	1.00	(1.00, 1.00)	-0.00	(0.000)***	1.00	(1.00, 1.00)
Interactions								
Law 20105 x sex					0.02	(0.013)*	1.02	(1.00, 1.05)
Law 20105 x secondary								
Law 20105 x > secondary								
Law 20105 x 'privada subvencionada'								
Law 20105 x 'privada pagada'								
Intercept	-7.75	(0.036)***	0.00	(0.00, 0.00)	-7.74	(0.036)***	0.00	(0.00, 0.00)

Law 20105, hazard ratios					Est	SE	HR	CI
all								
sex: female					-0.39	(0.011)***	0.68	(0.66, 0.69)
sex: male					-0.37	(0.011)***	0.69	(0.68, 0.71)
mother's education: primary								
mother's education: secondary								
mother's education: > secondary								
school: pública municipal								
school: privada subvencionada								
school: privada pagada								

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 3. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — Law 20105 (cont.)

Model	(3)				(4)			
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
Law 20105, August 2006	-0.34	(0.015)***	0.71	(0.69, 0.73)	-0.35	(0.013)***	0.70	(0.69, 0.72)
Sex (ref, boys)	-0.15	(0.006)***	0.86	(0.85, 0.87)	-0.15	(0.006)***	0.86	(0.85, 0.87)
Education, mother (ref, primary)								
secondary	0.04	(0.009)***	1.04	(1.03, 1.06)	0.03	(0.008)***	1.03	(1.02, 1.05)
> secondary	0.04	(0.012)***	1.04	(1.02, 1.07)	0.01	(0.009)	1.01	(1.00, 1.03)
School type (ref, pública municipal)								
privada subvencionada	0.00	(0.009)	1.00	(0.99, 1.02)	0.02	(0.011)*	1.02	(1.00, 1.04)
privada pagada	-0.01	(0.012)	0.99	(0.96, 1.01)	0.02	(0.015)	1.02	(0.99, 1.05)
Region (ref, Santiago)								
Arica, Parinacota, Tarapacá	-0.18	(0.020)***	0.84	(0.80, 0.86)	-0.18	(0.019)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.021)**	0.95	(0.91, 0.99)	-0.04	(0.021)**	0.96	(0.92, 1.00)
Atacama	-0.05	(0.026)*	0.95	(0.91, 1.00)	-0.05	(0.026)*	0.95	(0.91, 1.01)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)	-0.06	(0.013)***	0.94	(0.92, 0.97)

Variables	Est.	SE	HR	CI	Est.	SE	HR	CI
O'Higgins	-0.12	(0.020)***	0.89	(0.86, 0.93)	-0.11	(0.020)***	0.90	(0.86, 0.93)
Maule	-0.21	(0.017)***	0.81	(0.78, 0.84)	-0.21	(0.017)***	0.81	(0.79, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.87, 0.91)	-0.12	(0.013)***	0.89	(0.87, 0.91)
Araucanía	-0.14	(0.020)***	0.87	(0.83, 0.90)	-0.14	(0.021)***	0.87	(0.83, 0.90)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)	-0.04	(0.017)**	0.96	(0.93, 1.00)
Aysén	0.03	(0.037)	1.03	(0.96, 1.11)	0.03	(0.037)	1.03	(0.96, 1.11)
Magallanes	0.05	(0.030)*	1.05	(0.99, 1.12)	0.05	(0.030)*	1.05	(0.99, 1.12)
Duration dependency								
Model			**(3)**				**(4)**	
Variables	*Est.*	*SE*	*HR*	*CI*	*Est.*	*SE*	*HR*	*CI*
t	0.05	(0.002)***	1.05	(1.05, 1.06)	0.05	(0.002)***	1.05	(1.05, 1.06)
t^2	0.00	(0.000)***	1.00	(1.00, 1.00)	0.00	(0.000)***	1.00	(1.00, 1.00)
t^3	-0.00	(0.000)***	1.00	(1.00, 1.00)	-0.00	(0.000)***	1.00	(1.00, 1.00)
Interactions								
Law 20105 x sex								
Law 20105 x secondary	-0.03	(0.016)**	0.97	(0.94, 1.00)				
Law 20105 x > secondary	-0.07	(0.019)***	0.93	(0.89, 0.96)				
Law 20105 x 'privada subvencionada'					-0.04	(0.018)**	0.96	(0.93, 1.00)

	Est	SE	HR	CI	Est	SE	HR	CI
Law 20105 x 'privada pagada'					-0.08	(0.025)***	0.92	(0.88, 0.96)
Intercept	-7.76	(0.036)***	0.00	(0.00, 0.00)	-7.76	(0.036)***	0.00	(0.00, 0.00)
Law 20105, hazard ratios								
all								
sex: female								
sex: male								
mother's education: primary	-0.34	(0.015)***	0.71	(0.69, 0.73)				
mother's education: secondary	-0.37	(0.011)***	0.69	(0.67, 0.70)				
mother's education: > secondary	-0.41	(0.013)***	0.66	(0.64, 0.68)				
school: pública municipal					-0.35	(0.013)***	0.70	(0.69, 0.72)
school: privada subvencionada					-0.39	(0.013)***	0.68	(0.66, 0.69)
school: privada pagada					-0.43	(0.021)***	0.65	(0.62, 0.67)

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.

eTable 3. Discrete-time complementary loglog (cloglog) duration models of smoking initiation, 16-19 years old at interview — Law 20105 (cont.)

Model	(5)			
Variables	*Est.*	*SE*	*HR*	*CI*
Law 20105, August 2006	-0.34	(0.018)***	0.71	(0.69, 0.74)
Sex (ref, boys)	-0.16	(0.008)***	0.85	(0.84, 0.87)
Education, mother (ref, primary)				
secondary	0.04	(0.009)***	1.04	(1.02, 1.06)
> secondary	0.03	(0.012)***	1.03	(1.01, 1.06)
School type (ref, pública municipal)				
privada subvencionada	0.02	(0.011)	1.02	(0.99, 1.04)
privada pagada	0.01	(0.015)	1.01	(0.98, 1.04)
Region (ref, Santiago)				
Arica, Parinacota, Tarapacá	-0.18	(0.020)***	0.84	(0.80, 0.87)
Antofagasta	-0.05	(0.021)**	0.95	(0.92, 1.00)
Atacama	-0.05	(0.026)*	0.95	(0.91, 1.01)
Coquimbo	-0.06	(0.021)***	0.94	(0.90, 0.98)
Valparaíso	-0.06	(0.013)***	0.94	(0.92, 0.97)
O'Higgins	-0.11	(0.020)***	0.90	(0.86, 0.93)
Maule	-0.21	(0.017)***	0.81	(0.78, 0.84)
Biobío	-0.12	(0.013)***	0.89	(0.87, 0.91)
Araucanía	-0.14	(0.021)***	0.87	(0.83, 0.90)
Los Lagos	-0.04	(0.017)**	0.96	(0.93, 1.00)
Aysén	0.03	(0.037)	1.03	(0.96, 1.11)
Magallanes	0.05	(0.030)*	1.05	(1.00, 1.12)
Duration dependency				
t	0.05	(0.002)***	1.05	(1.05, 1.06)
Model	**(5)**			
Variables	*Est.*	*SE*	*HR*	*CI*
t^2	0.00	(0.000)***	1.00	(1.00, 1.00)
t^3	-0.00	(0.000)***	1.00	(1.00, 1.00)
Interactions				

	Est	SE	HR	95% CI
Law 20105 x sex	0.03	(0.013)*	1.03	(1.00, 1.05)
Law 20105 x secondary	-0.03	(0.016)*	0.97	(0.94, 1.00)
Law 20105 x > secondary	-0.06	(0.019)***	0.94	(0.91, 0.98)
Law 20105 x 'privada subvencionada'	-0.03	(0.018)*	0.97	(0.93, 1.00)
Law 20105 x 'privada pagada'	-0.07	(0.026)**	0.93	(0.89, 0.99)
Intercept	-7.76	(0.037)***	0.00	(0.00, 0.00)
Law 20105, hazard ratios				
all	-0.38	(0.008)***	0.68	(0.67, 0.70)
sex: female	-0.39	(0.011)***	0.68	(0.66, 0.69)
sex: male	-0.37	(0.011)***	0.69	(0.68, 0.71)
mother's education: primary	-0.34	(0.015)***	0.71	(0.69, 0.73)
mother's education: secondary	-0.37	(0.011)***	0.69	(0.67, 0.70)
mother's education: > secondary	-0.41	(0.013)***	0.66	(0.64, 0.68)
school: pública municipal	-0.35	(0.013)***	0.70	(0.69, 0.72)
school: privada subvencionada	-0.39	(0.013)***	0.68	(0.66, 0.70)
school: privada pagada	-0.43	(0.021)***	0.65	(0.62, 0.68)

Notes. Est, estimates; SE, standard errors clustered at school-level; HR, hazard ratios; ln, natural log; number of observations, 15,177,836; number of individuals, 181,624; number of failures, 135,019; *, **, and ***, significant at 10%, 5%, and 1%, respectively.