Supplementary materials: Changes in Smoking Behaviour over Family Transitions: Evidence for Anticipation and Adaptation Effects

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Table S1. Distributions of a	ge at smoking initiation and	d cessation and at family events
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	Men			Women			
	% concerned	Mean age	Median age	% concerned	Mean age	Median age	
Initiation	46.9	18.6	18	30.0	18.9	18	
Cessation	21.5	41.3	40	10.7	36.8	35	
Living with a partner	91.4	25.4	24	93.4	23.7	22	
First childbirth	80.4	27.2	27	84.7	25.1	25	
Separation	20.9	34.4	33	32.0	34.4	34	

Variables	Men (N=4989)	Women (N=5812)
Individual fixed characteristics		
Initial smoking status at 17	22.8%	14.8%
Years of birth		
before 1941	13.7%	12.2%
1941-1950	22.1%	20.0%
1951-1960	24.5%	26.0%
1961-1970	23.2%	23.6%
after 1970	16.6%	18.1%
Born abroad	11.1%	9.8%
Living in rural municipality	29.1%	26.8%
Number of life events during childhood	2.06	2.37
Educational level		
Primary or no education	27.8%	27.8%
Lower or upper secondary	49.7%	44.0%
1 or 2 years higher education	9.0%	11.6%
3 or more years higher education	13.5%	16.6%
Social class (last job)		
Manager	4.4%	2.5%
Farmer	7.5%	4.1%
Craftmen	12.5%	9.2%
Associate professional	19.6%	20.9%
Office workers	15.2%	51.0%
Elementary jobs	40.9%	12.3%
Individual means of time-varying variables		
Log of cigarette prices	4.66	4.67
Occupation		
Long-term contract	69.0%	52.8%
Short-term contract	14.8%	14.7%
Unemployement	1.5%	2.5%
Inactivity	2.5%	16.4%
Schooling	12.2%	13.5%
Family status		
In a couple	61.9%	66.5%
With kids	50.6%	58.2%

Table S2. Descriptive statistics

Separated

3.7%

6.5%

 Table S3. Discrete-time logistic regression of smoking initiation – Men and Women (Odds-ratio)

	Men			Women		
Variables	O.R	S.E.		O.R.	S.E.	
Years of birth (ref: before 1941):						
1941-1950	1.19	(0.14)		1.60	(0.24)	***
1951-1960	1.28	(0.18)	*	2.12	(0.35)	***
1961-1970	1.44	(0.24)	**	2.48	(0.48)	***
after 1970	1.52	(0.33)	*	2.08	(0.52)	***
Born abroad	0.96	(0.08)		0.81	(0.09)	**
Living in rural municipality	1.05	(0.07)		0.77	(0.06)	***
Number of life events during childhood	1.00	(0.01)		1.03	(0.01)	**
Educational level (ref: primary or no educa	tion):	(0.01)		1.00	(0.01)	
Lower and upper secondary	1 19	(0, 09)	**	1 50	(0.15)	***
1 or 2 years hugher education	0.89	(0.03)		1.50	(0.18)	
3 or more years higher education	0.07	(0.15)		1.17	(0.10)	
Social class from last job (ref: manager):	0.77	(0.10)		1.41	(0.21)	
Farmer	0.75	(0.14)		0.64	(0.20)	
Craftmen	1.06	(0.14)		0.95	(0.20)	
Associate professional	1.00	(0.13)		1.04	(0.19)	
Office workers	1.00	(0.12)		1.04	(0.13)	
Elementary jobs	1.01	(0.12)		0.89	(0.12)	
Time marine marine land	1.15	(0.13)		0.93	(0.15)	
Time-varying variables :	0.(2	(0,02)	***	0.71	(0.02)	***
age	0.62	(0.03)	***	0.71	(0.03)	***
age squared	1.01	(0.00)	***	1.00	(0.00)	***
	0.60	(0.12)		0.29	(0.06)	
Occupation (ref: long-term contract):		(0.10)		1.04	(0.1.4)	×.
short-term contract	1.11	(0.10)		1.24	(0.14)	<i>•</i>
unemployement	0.81	(0.35)		0.75	(0.26)	
inactivity	1.30	(0.19)	*	1.12	(0.16)	
schooling	1.14	(0.12)		1.48	(0.18)	***
Leads and lags Couple (ref: Couple (<t-3) or<="" td=""><td>r no):</td><td></td><td></td><td></td><td>(2.4.0)</td><td></td></t-3)>	r no):				(2.4.0)	
Couple (t-3)	1.11	(0.12)		1.14	(0.14)	
Couple (t-2)	1.19	(0.14)		1.30	(0.16)	**
Couple (t-1)	0.95	(0.14)		1.08	(0.16)	
Couple (t)	1.00	(0.17)		1.07	(0.18)	
Couple (t+1)	0.71	(0.16)		0.89	(0.18)	
Couple (t+2)	0.57	(0.16)	**	0.47	(0.12)	***
Couple (t+3)	0.48	(0.10)	***	0.36	(0.08)	***
Leads and lags First childbirth (ref: First ch	uldbirth (<t-3)< td=""><td>or no):</td><td></td><td></td><td></td><td></td></t-3)<>	or no):				
First childbirth (t-3)	1.15	(0.16)		0.80	(0.13)	
First childbirth (t-2)	1.05	(0.18)		0.85	(0.15)	
First childbirth (t-1)	1.05	(0.22)		0.64	(0.15)	*
First childbirth (t)	1.10	(0.27)		1.10	(0.25)	
First childbirth (t+1)	0.97	(0.31)		0.92	(0.26)	
First childbirth (t+2)	0.70	(0.29)		0.86	(0.31)	
First childbirth (t+3)	1.46	(0.33)	*	2.24	(0.47)	***
Leads and lags Separation (ref: Separation	(<t-3) no):<="" or="" td=""><td></td><td></td><td></td><td></td><td></td></t-3)>					
Separation (t-3)	1.09	(0.51)		0.95	(0.38)	
Separation (t-2)	1.58	(0.74)		2.49	(0.72)	***
Separation (t-1)	1.84	(0.98)		4.08	(1.19)	***
Separation (t)	2.32	(0.97)	**	0.90	(0.39)	
Separation (t+1)	0.95	(0.69)		1.35	(0.54)	
Separation (t+2)	1.32	(0.95)		0.22	(0.23)	
Separation (t+3)	1.24	(0.58)		0.22	(0.12)	***
Individual means of time-varying variable	s:	•			· ·	
Log cigarette prices	15.81	(19.63	**	121.53	(156.48)	***
Occupation (ref: long-term contract):		\$. /	
short-term contract	1.89	(0.41)	***	2.68	(0.60)	***
unemployement	3.04	(1.84)	*	3.42	(1.77)	**
inactivity	1.77	(0.74)		1.21	(0.25)	

schooling	0.80	(0.42)		0.55	(0.32)	
Family status :						
Couple	3.26	(0.85)	***	1.94	(0.65)	**
With kids	0.65	(0.12)	**	0.76	(0.18)	
Separated	4.49	(1.52)	***	4.84	(1.81)	***
N	4119			5168		
N*T	78972			117348		
Pseudo R ²	0.18			0.17		

Notes: Significance levels: *** 1%, ** 5%, * 10%

Table S4. Discrete-time logistic regression of smoking cessation – Men and Women (Odds-ratio)

Vi-hl	Men			Women		
variables	O.R	S.E.		O.R.	S.E.	
Age at smoking initiation	0.96	(0.01)	***	0.96	(0.01)	**
Years of birth (ref: before 1941):						
1941-1950	0.77	(0.12)	*	0.79	(0.22)	
1951-1960	0.73	(0.15)		0.57	(0.16)	**
1961-1970	1.25	(0.31)		0.95	(0.32)	
after 1970	1.92	(0.67)	*	0.97	(0.40)	
Born abroad	0.88	(0.12)		1.27	(0.23)	
Living in rural municipality	0.93	(0.08)		1.09	(0.13)	
Number of life events during childhood	1.01	(0.02)		1.02	(0.02)	
Educational level (ref: primary or no educa	tion):	× /				
Lower and upper secondary	1.30	(0.13)	***	1.07	(0.18)	
1 or 2 years hugher education	1.29	(0.27)		1.06	(0.26)	
3 or more years higher education	1.00	(0.22)		1.98	(0.51)	***
Social class from last job (ref: manager):						
Farmer	0.76	(0.21)		0.65	(0.40)	
Craftmen	0.68	(0.14)	*	1.02	(0.30)	
Associate professional	0.76	(0.12)	*	1.06	(0.20)	
Office workers	0.87	(0.15)		0.88	(0.19)	
Elementary jobs	0.81	(0.13)		0.68	(0.19)	
Time-varving variables:		()			(11.1)	
age	1.25	(0.08)	***	1.28	(0.10)	***
age squared	1.00	(0.00)	**	1.00	(0.00)	**
Log of cigarette prices	0.91	(0.17)		2.26	(0.65)	***
Occupation (ref: long-term contract):		(000)			(0000)	
short-term contract	0.93	(0.17)		1.00	(0.19)	
unemployement	0.83	(0.26)		1.32	(0.41)	
inactivity	0.56	(0.25)		1.04	(0.24)	
schooling	0.62	(0.23)		0.35	(0.13)	***
Leads and lags Couple (ref: Couple (<t-3) or<="" td=""><td>r no):</td><td>()</td><td></td><td></td><td>(11-1)</td><td></td></t-3)>	r no):	()			(11-1)	
Couple (t-3)	1.08	(0.42)		1.87	(0.77)	
Couple (t-2)	0.96	(0.35)		1.12	(0.49)	
Couple (t-1)	1.32	(0.42)		1.40	(0.46)	
Couple (t)	2.01	(0.61)	**	2.45	(0.84)	***
Couple $(t+1)$	1.51	(0.51)		1.12	(0.43)	
Couple (t+2)	1.86	(0.60)	*	1.14	(0.43)	
Couple (t+3)	1.73	(0.50)	*	0.87	(0.33)	
Leads and lags First childbirth (ref: First ch	ildbirth (<t-< td=""><td>3) or no):</td><td></td><td></td><td>(****)</td><td></td></t-<>	3) or no):			(****)	
First childbirth (t-3)	1.15	(0.38)		1.45	(0.52)	
First childbirth (t-2)	1.40	(0.41)		2.72	(0.78)	***
First childbirth (t-1)	1.24	(0.38)		3.81	(1.12)	***
First childbirth (t)	1 78	(0.50)	**	3 39	(1.04)	***
First childbirth (t+1)	1.51	(0.44)		0.74	(0.36)	
First childbirth (t+2)	1.25	(0.39)		0.88	(0.40)	
First childbirth (t+3)	1.13	(0.30)		0.99	(0.36)	
Leads and lags Separation (ref: Separation	(<t-3) no).<="" or="" td=""><td>()</td><td></td><td>~~~ /</td><td>(0.00)</td><td></td></t-3)>	()		~~~ /	(0.00)	
Separation (t-3)	0.46	(0.27)		0.69	(0.32)	
Separation (t-2)	0.33	(0.24)		0.76	(0.35)	
Separation (t-1)	0.73	(0.37)		1.33	(0.57)	
Separation (t)	1.63	(0.86)		0.73	(0.41)	

Separation (t+1)	1.80	(1.01)		0.72	(0.45)	
Separation (t+2)	1.68	(1.07)		0.95	(0.66)	
Separation (t+3)	4.30	(1.62)	***	1.79	(0.75)	
Individual means of time-varying variab	les:					
Log cigarette prices	1.32	(2.86)		94.45	(189.12)	**
Occupation (ref: long-term contract):						
short-term contract	0.49	(0.18)	*	0.63	(0.30)	
unemployement	0.35	(0.38)		0.15	(0.17)	*
inactivity	1.32	(0.88)		0.48	(0.22)	
schooling	2.83	(2.30)		0.62	(0.59)	
Family status :						
Couple	0.87	(0.45)		1.50	(0.84)	
With kids	0.50	(0.22)		0.95	(0.53)	
Separated	0.04	(0.03)	***	0.08	(0.07)	***
Ν	2333			1734		
N*T	49977			33422		
Pseudo R ²	0.08			0.09		

Notes: Significance levels: *** 1%, ** 5%, * 10%



Figure S1. Prevalence of smoking over ages



Figure S2. Distribution of family events over ages