

## **SUPPLEMENTARY**

### **METHODS**

We identified participants with a baseline measurement (time point 1 [T1]) and a follow-up measurement (time point 2 [T2]) for smoking behavior. Participants were included when they completed two consecutive surveys, approximately 2 years apart (see Figure S1). Some participants completed more than two consecutive surveys. In the adolescent group, when data were available at the ages 14, 16 and 18 years, the most recent data were used. This resulted in the information coming from participants who completed two surveys at 16 and 18 years in approximately 38% of the cases and from participants completing two surveys at 14 and 16 years for approximately 62%. When participants in the adult group completed two successive surveys more than once, data from the two most recent succeeding surveys were used. For approximately 63% of the adult group, information was obtained from the two most recent surveys, namely the 2002- and the 2004-survey. For the remaining 37%, information was obtained from two other successive surveys.

In the YNTR survey around age 18 and in the 2004 and 2009 ANTR surveys, no question on smoking expectancy was included. Therefore, these surveys were only used as follow-up to determine smoking status at T2.

Figure S1. Flow chart of participants included in the final analyses per smoking status

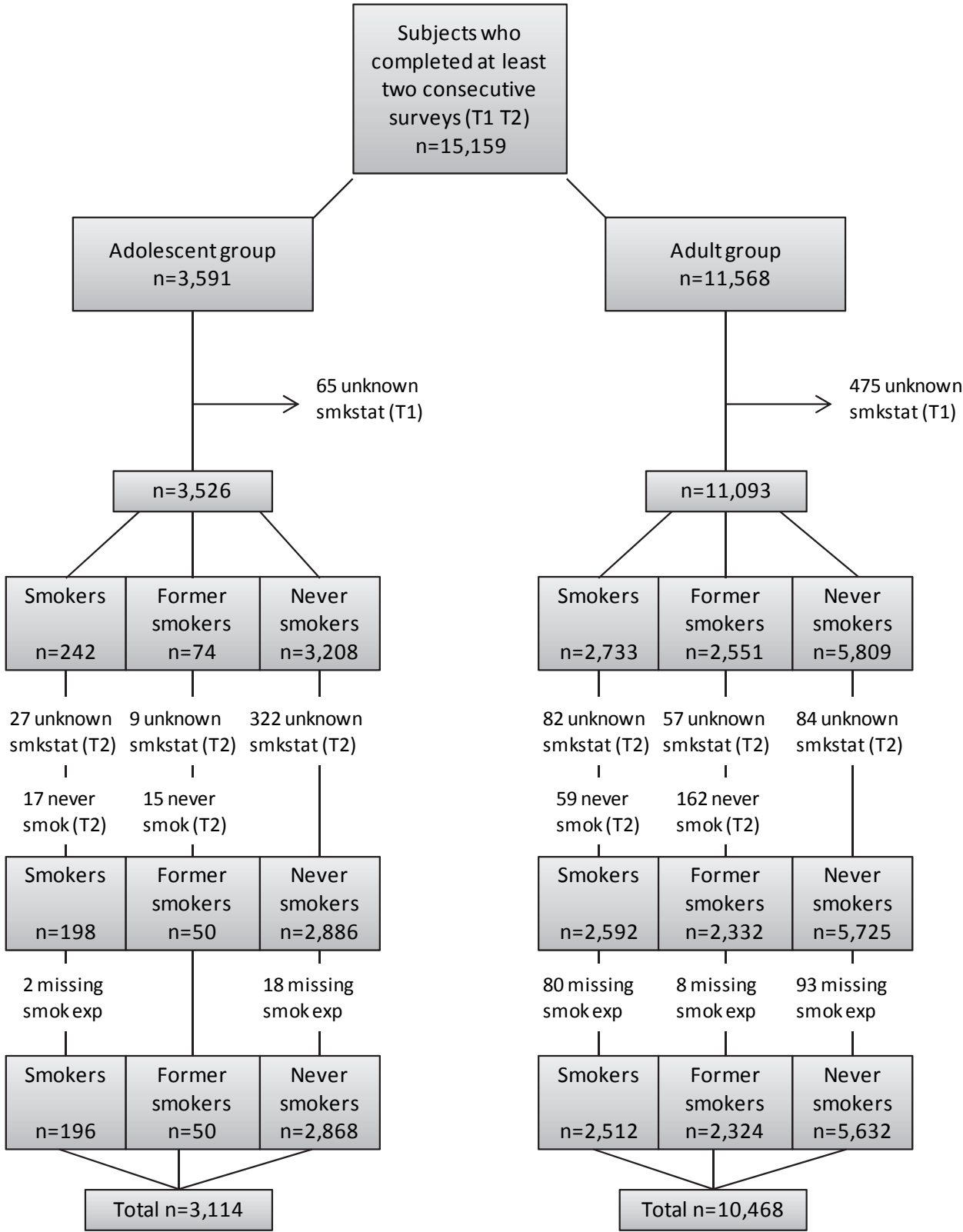


Table S1. Accuracy of predicting future smoking status, the light grey boxes show correct predictions and the darker gray boxes show incorrect predictions.

<b>Adolescent group (n= 2,987)</b>			<b>Smoking status T2</b>				
<b>Smoking status T1</b>	<b>Smoking expectancy →</b>	<b>Dichotomized</b>	Never smoker	Former smoker	Smoker	Total	<b>% correct</b>
Never smoker	Certainly not	No	2054	27	108	2189	92%
	Probably not		326	18	51	395	
	I don't know		91	15	52	158	
	Probably	Yes	2	1	8	11	47%
	Absolutely yes		1	0	6	7	
Former smoker	Certainly not	No	-	5	3	8	43%
	Probably not		-	4	9	13	
	I don't know		-	3	12	15	
	Probably	Yes	-	1	8	9	84%
	Absolutely yes		-	0	1	1	
Smoker	Certainly not	No	-	3	4	7	33%
	Probably not		-	9	20	29	
	I don't know		-	5	53	58	
	Probably	Yes	-	4	53	57	92%
	Absolutely yes		-	2	28	30	
<b>Adult group (n= 4,911)</b>			<b>Smoking status T2</b>				
<b>Smoking status T1</b>	<b>Smoking expectancy →</b>	<b>Dichotomized</b>	Never smoker	Former smoker	Smoker	Total	<b>% correct</b>
Never smoker	Certainly not	No	2733	102	0	2835	95%
	Probably not		161	64	0	225	
	I don't know		36	30	0	66	
	Probably	Yes	2	10	0	12	51%
	Absolutely yes		1	1	0	2	
Former smoker	Certainly not	No	-	365	55	420	82%
	Probably not		-	96	46	142	
	I don't know		-	21	25	46	
	Probably	Yes	-	2	2	4	54%
	Absolutely yes		-	0	0	0	
Smoker	Certainly not	No	-	12	22	34	29%
	Probably not		-	35	94	129	
	I don't know		-	61	257	318	
	Probably	Yes	-	81	428	509	84%
	Absolutely yes		-	15	154	169	

T1: time point 1 (baseline), T2: time point 2 (follow-up), % correct: the percentage of individuals who made a correct prediction depicted for the categories 'No' and 'Yes' separately (and for all the different smoking statuses).

**Legend Figures**

*Figure S1.*

T1: time point 1 (baseline), T2: time point 2 (follow-up), with approximately two years in between,  
smkstat: smoking status never smok: never smokers, smok exp: smoking expectancy.