

Table 1. Fit statistics of models for latent class

Number of classes	Entropy	AIC	BIC	aBIC^a
1	1.000	88596.7	88816.1	88717.6
2	0.878	80820.8	81266.7	81066.5
3	0.744	79831.4	80503.7	80201.8
4	0.712	79526.5	80425.3	80021.7
5	0.674	79152.5	80277.7	79772.5

^a Sample-size adjusted BIC

Table 2. Odds Ratios and 95% Confidence Intervals (CIs) of risky-behaviour class at age 16 by individual and family characteristics (n=8,754)

	Men (n=4,090)		Women (n=4,664)	
	OR	95 % CI	OR	95 % CI
Cohort members' Characteristics				
Birthweight, <i>g</i>	1.00	(1.00-1.00)	1.00	(1.00-1.00)
Mother's age at delivery, <i>in years</i>	1.00	(0.98-1.02)	0.99	(0.98-1.01)
Mother's smoking during pregnancy	0.90	(0.74-1.11)	1.07	(0.89-1.29)
BMI at 10, <i>kg/m²</i>	1.06	(1.01-1.10)	1.03	(1.00-1.07)
Abnormal health conditions (ref. none)				
One	0.87	(0.70-1.08)	0.99	(0.82-1.20)
Two and more	0.79	(0.57-1.10)	0.81	(0.57-1.14)
Cognitive ability at 10	1.13	(1.02-1.25)	1.03	(0.93-1.13)
Rutter scale				
Externalising	1.12	(1.07-1.18)	1.13	(1.07-1.19)
Internalising	0.92	(0.86-0.98)	0.89	(0.83-0.95)
Locus of control scale	1.01	(0.97-1.04)	1.04	(1.01-1.07)
Self-esteem scale	0.96	(0.92-1.00)	0.94	(0.91-0.97)
Family Characteristics				
Parental relationship with children (ref. both natural)				
One natural and one non-natural parent	1.65	(1.19-2.29)	1.07	(0.79-1.45)
Single parent (either natural and non-natural)	1.52	(1.10-2.10)	1.43	(1.08-1.88)
Others	2.03	(1.22-3.38)	1.71	(1.02-2.89)
Fathers' or mothers' occupation (ref. V) ^a				
IV	0.67	(0.46-0.98)	1.22	(0.84-1.78)
III-NM	0.79	(0.55-1.15)	1.18	(0.81-1.73)
III-M	0.71	(0.51-1.00)	1.04	(0.73-1.48)
II	0.78	(0.53-1.14)	1.10	(0.75-1.61)
I	0.81	(0.50-1.30)	1.01	(0.62-1.64)
Parental smoking (ref. non-smokers)				
One parent smoker	1.37	(1.11-1.68)	1.31	(1.08-1.58)
Both smokers	1.44	(1.11-1.89)	1.76	(1.38-2.24)
Mother's malaise inventory score	1.00	(1.00-1.00)	1.00	(1.00-1.00)
Parental monitoring and family rules	0.92	(0.90-0.94)	0.89	(0.87-0.91)

^a I: Unskilled, Unskilled, III-M: Skilled-manual, III-NM: Skilled-non manual, IV: Managerial and technical, V: Professional

Table 3.1. Estimated risks and 95% Confidence Intervals (CIs)^a of risk behaviours and health outcomes at age 42 by risk behaviour class at age 16^b (men)

			Unadjusted	Adjusted ^c
Smoking status (<i>ref. non-smoker</i>)				
	Ex-smoker	RRR (95% CI)	10.44 (7.69-14.18)	10.13 (7.40-13.88)
	Occasional smoker	RRR (95% CI)	10.05 (6.46-15.62)	9.71 (6.18-15.27)
	Everyday smoker	RRR (95% CI)	16.56 (12.12-22.62)	16.73 (12.08-23.18)
Number of cigarettes per day			IRR (95% CI)	1.00 (0.95-1.05)
Alcohol				
	25th	b (95% CI)	2.21 (0.42-4.01)	1.97 (0.74-3.20)
	50th	b (95% CI)	4.94 (2.38-7.50)	4.31 (2.01-6.62)
	75th	b (95% CI)	6.83 (3.49-10.17)	5.91 (2.55-9.26)
Physical activity (<i>ref. none</i>)			OR (95% CI)	1.22 (1.00-1.48)
Self-rated health (<i>ref. excellent</i>)			OR (95% CI)	1.52 (1.29-1.79)
BMI			b (95% CI)	-0.01 (-0.47-0.44)
Malaise inventory score (<i>ref. low</i>)			OR (95% CI)	1.10 (0.86-1.42)

RRR=relative risk ratio; OR=odds ratio; IRR=incidence rate ratio; b= unstandardised coefficient

^a Risks and 95% CI of each outcome were estimated in a separate model.

^b Less-risky behaviour class is reference group.

^c Adjusted for birth weight, mother's age at delivery, maternal smoking during pregnancy, BMI, abnormal health conditions, cognitive ability, locus of control, self-esteem, Rutter scale score, family structure, parental SES at birth, parental smoking, parental monitoring and family rules, and maternal malaise score.

Table 3.2. Estimated risks and 95% Confidence Intervals (CIs)^a of risk behaviours and health outcomes at age 42 by risk behaviour class at age 16^b

(women)

			Unadjusted	Adjusted ^c
Smoking status (ref. non-smoker)				
	Ex-smoker	RRR (95% CI)	14.79 (11.35-19.28)	13.63 (10.42-17.82)
	Occasional smoker	RRR (95% CI)	17.72 (12.37-25.39)	15.82 (10.90-22.95)
	Every day smoker	RRR (95% CI)	24.49 (18.31-32.74)	22.98 (16.85-31.36)
Number of cigarettes per day		IRR (95% CI)	1.11 (1.06-1.16)	1.11 (1.06-1.17)
Alcohol				
	25th	b (95% CI)	1.69 (0.83-2.55)	1.10 (0.32-1.89)
	50th	b (95% CI)	1.79 (0.55-3.02)	1.68 (0.67-2.70)
	75th	b (95% CI)	3.68 (1.46-5.90)	3.30 (1.38-5.23)
Physical activity (ref. none)		OR (95% CI)	1.03 (0.88-1.22)	1.01 (0.85-1.21)
Self-rated health (ref. excellent)		OR (95% CI)	1.42 (1.23-1.63)	1.34 (1.15-1.55)
BMI		b (95% CI)	0.01 (-0.43-0.45)	-0.33 (-0.75-0.10)
Malaise inventory score (ref. low)		OR (95% CI)	1.35 (1.11-1.65)	1.40 (1.13-1.72)

RRR=relative risk ratio; OR=odds ratio; IRR=incidence rate ratio; b= unstandardised coefficient

^a Risks and 95% CI of each outcome were estimated in a separate model.

^b Less-risky behaviour class is reference group.

^c Adjusted for birth weight, mother's age at delivery, maternal smoking during pregnancy, BMI, abnormal health conditions, cognitive ability, locus of control, self-esteem, Rutter scale score, family structure, parental SES at birth, parental smoking, parental monitoring and family rules, and maternal malaise score.

Table 4. Interaction of socioeconomic status (SES) at birth for the association of risk behaviours at age 16 with number of cigarettes among female smokers at age 42

	IRR (95% CI)	
	Unadjusted	Adjusted ^a
Risky class*V	<i>ref.</i>	<i>ref.</i>
Risky class*IV	1.17 (0.84-1.64)	1.18 (0.84-1.65)
Risky class*III-NM	1.24 (0.89-1.74)	1.26 (0.89-1.77)
Risky class*III-M	1.37 (1.00-1.88)	1.40 (1.02-1.94)
Risky class*II	1.42 (1.03-1.95)	1.48 (1.07-2.04)
Risky class*I	1.83 (1.28-2.61)	1.93 (1.34-2.78)
<i>F statistic, p-value</i>	<i>3.81, 0.002</i>	<i>4.41, <0.001</i>

IRR: incidence rate ratio

^a Adjusted for sex, birth weight, mother's age at delivery, maternal smoking during pregnancy, BMI, abnormal health conditions, cognitive ability, locus of control, self-esteem, Rutter scale score, family structure, parental SES at birth, parental smoking, parental monitoring and family rules, and maternal malaise score.