

Table 2 Ordinal logistic models predicting change in smoking status between Time 1 and Time 2 (n = 340 pairs)

Variable	Model 1		Model 2		Model 3		Model 4	
	AOR	95% CI	AOR	95% CI	AOR	95% CI	AOR	95% CI
<i>Age</i>	0.48*	0.26–0.89	0.53*	0.29–0.97	0.77	0.49–1.19	–	–
<i>Grade</i>	2.77*	1.14–6.70	2.33	0.96–5.67	–	–	–	–
Social control								
Attachment	0.87	0.53–1.42	–	–	–	–	–	–
Commitment	1.12	0.67–1.85	1.03	0.64–1.68	–	–	–	–
Involvement	1.08	0.68–1.72	–	–	–	–	–	–
Belief	1.97*	1.21–3.19	1.71*	1.07–2.74	1.90*	1.24–2.92	1.89*	1.23–2.91
Social learning								
Differential association	1.95*	1.15–3.33	–	–	–	–	–	–
Differential reinforcement	1.39	0.75–2.58	–	–	–	–	–	–
Imitation	0.68	0.42–1.12	0.82	0.51–1.33	–	–	–	–
Health risk	0.72	0.40–1.31	0.74	0.41–1.36	–	–	–	–
Governmental policy	0.42*	0.26–0.68	0.46*	0.29–0.73	0.46*	0.29–0.72	0.46*	0.29–0.72
Psychological function	0.31*	0.20–0.48	0.34*	0.22–0.52	0.32*	0.21–0.48	0.31*	0.21–0.47
Test of prop. odds ASM	$\chi^2 = 12.49$ (P = 0.41)		$\chi^2 = 6.06$ (P = 0.64)		$\chi^2 = 2.89$ (P = 0.58)		$\chi^2 = 2.20$ (P = 0.53)	
Test of ordinal vs nonordinal regression	$\chi^2 = 20.13^{**}$		$\chi^2 = 23.98^{**}$		$\chi^2 = 26.97^{**}$		$\chi^2 = 26.68^{**}$	
Likelihood ratio χ^2	70.33 ^{**}		62.51 ^{**}		57.26 ^{**}		55.81 ^{**}	
Log likelihood	-199.44 ^{**}		-203.35 ^{**}		-205.98 ^{**}		-206.70 ^{**}	

*P < 0.05; **P < 0.001. prop. odds ASM = proportional odds assumption.