Table 2 **Parameter estimates of the trajectory model with a zero-inflated Poisson distributional form**

Model component	Estimate	Standard error	*P* value
Count (Poisson)			
Smoking-trajectory group†			
Non-smoker trajectory			
Intercept (centred at 20 years)	-6.92	1.32	<0.001
Linear age	-5.09	2.15	0.02
Experimenter trajectory			
Intercept (centred at 20 years)	1.28	0.12	<0.001
Linear age	2.03	0.53	<0.001
Quadratic age	-4.22	1.06	<0.001
Cubic age	2.17	0.67	0.001
Escalator trajectory			
Intercept (centred at 20 years)	2.24	0.04	<0.001
Linear age	1.45	0.13	<0.001
Quadratic age	-2.19	0.36	<0.001
Cubic age	1.11	0.27	<0.001
Zero-Inflation (binomial)			
Intercept (centred at 20 years)	0.65	0.11	<0.001
Linear age	-2.33	0.22	<0.001

† Optimal selected three-group model with linear function of age for the first group and cubic function of age for the second and third groups. The intercept refers to the initial smoking index for 20-year-old participants in phase two, and the slopes correspond to the rate of linear or non-linear change in the smoking trajectory across assessments.