RESULTS FROM THE $D[450, 700, 450]$ DESIGN

eTable 1: Results from 500 replicates of the $D[450, 700, 450]$ design. We report average estimates and in parentheses, average estimated standard errors on the log odds ratio (logistic) scale. ML = maximum likelihood, ACML = ascertainment corrected maximum likelihood, WL = weighted likelihood, MI = mulitple imputation.

Variable	ACML	WL	MI
Primary estimation targets			
SNP	-0.05 (0.10)	-0.08 (0.11)	-0.05 (0.10)
Smoking (within)	1.38 (0.30)	1.26 (0.27)	1.29 (0.26)
SNP by Smoking (within)	-0.65 (0.34)	-0.58 (0.31)	-0.61 (0.32)
Time-varying covariates			
Study year (per 3 years)	0.00 (0.02)	0.00 (0.02)	0.00 (0.01)
Time-fixed / baseline covariates			
Smoking (between)	2.03 (0.14)	2.06 (0.15)	2.05 (0.10)
Female	-0.15 (0.09)	-0.15 (0.10)	-0.15 (0.06)
Cigarettes / day (per 10)	0.14 (0.03)	0.16 (0.04)	0.16 (0.02)
Pack years (per 10)	0.13 (0.06)	0.11 (0.06)	0.11 (0.04)
Age (per 10 year)	0.03 (0.07)	0.07 (0.08)	0.08 (0.05)
BMI (per 5 kg/m^2)	-0.03 (0.06)	0.00 (0.06)	0.00 (0.04)
Response dependence model			
γ	0.53 (0.14)	0.53 (0.14)	0.53 (0.10)
$log(\sigma)$	0.81 (0.06)	0.82 (0.06)	0.82 (0.04)