

Supplementary Table 1. Incidence rates, HRs, and associated 95% CIs for Parkinson's disease when using a 2-year lag period

	Total number	Events	Person-years	Incidence rate*	Crude HR (95% CI)	<i>p</i>	Adjusted HR [†] (95% CI)	<i>p</i>
Postcessation weight change								
Never smokers	1,124,715	3,713	4,050,920	0.92	1	NA	1	NA
Quitters with BMI increase	50,110	72	170,124	0.42	0.46 (0.37–0.59)	<0.0001	0.77 (0.61–0.98)	0.0321
Quitters with BMI maintenance	149,683	224	519,455	0.43	0.47 (0.41–0.54)	<0.0001	0.78 (0.68–0.90)	0.0004
Quitters with BMI decrease	16,210	29	52,562	0.55	0.61 (0.42–0.88)	0.0074	0.76 (0.53–1.10)	0.1483
Current smokers	1,463,209	1,543	5,053,830	0.31	0.33 (0.31–0.35)	<0.0001	0.61 (0.57–0.65)	<0.0001
Weight change								
BMI increase	298,341	777	1,019,425	0.76	1.42 (1.32–1.54)	<0.0001	1.08 (1.00–1.17)	0.0431
BMI maintenance	2,181,030	4,155	7,711,477	0.54	1	NA	1	NA
BMI decrease	324,556	649	1,115,989	0.58	1.03 (0.95–1.12)	0.0680	1.04 (0.96–1.13)	0.3564

*Incidence rates are expressed per 1,000 person-years, [†]Adjusted for age, BMI, alcohol consumption, physical activity, fasting blood glucose, total cholesterol, the presence of diabetes mellitus, and smoking status.

BMI: body mass index, CI: confidence interval, HR: hazard ratio.