

Supplementary Material

Supplemental Table 1. Detailed coding and classification of the diseases

Diabetes Mellitus	ICD9: 250; ICD10: E10, E11, E12, E13, E14;
Hypertension	ICD9: 401; ICD10: I10, I15, I15.0, I15.1, I15.2, I15.8, I15.9;
Acute pancreatitis	ICD9: 5770; ICD10: K85, K85.0, K85.1, K85.2, K85.3; K85.8, K85.9;
Chronic pancreatitis and other pancreatic diseases	ICD9: 5771; ICD10: K86.0, K86.1, K86.2, K86.3, K86.8, K86.9, K87.1;
Pancreatic cancer	ICD9: 157; ICD10: C25, C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.8, C25.9;

Supplemental Table 2. Univariate and multivariate logistic regression model explaining smoking cessation population of different sexes with the likelihood of AP, CP, and PC, UK Biobank, 2006 –2020 (N= 492855)

Variable	Sex	Model I			Model II			Model III		
		OR(95%CI)	P	<i>p</i> Value for Interaction	OR(95%CI)	P	<i>p</i> Value for Interaction	OR(95%CI)	P	<i>p</i> Value for Interaction
AP	female	0.90(0.75-1.09)	0.301	0.790	0.90(0.74-1.10)	0.303	0.521	0.78(0.61-0.99)	0.039	0.845
	male	0.87(0.75-1.02)	0.096		0.80(0.68-0.94)	0.008		0.73(0.58-0.92)	0.008	
CP	female	0.40(0.28-0.56)	<0.001	0.428	0.43(0.30-0.62)	<0.001	0.462	0.30(0.17-0.54)	<0.001	0.642
	male	0.47(0.37-0.59)	<0.001		0.48(0.38-0.61)	<0.001		0.32(0.20-0.53)	<0.001	
PC	female	0.63(0.50-0.79)	<0.001	0.028	0.57(0.45-0.72)	<0.001	0.055	0.64(0.48-0.87)	0.004	0.958
	male	0.88(0.72-1.06)	0.177		0.72(0.59-0.88)	0.001		0.60(0.45-0.80)	<0.001	

Notes: The odds of diseases among current smokers was used as a reference.

Model I: Not adjusted.

Model II: Adjusted for age, race, BMI, TDI, drinking.

Model III: Adjusted for age, race, BMI, TDI, drinking, DM and HBP, while AP adjusted for CP and PC, CP adjusted for AP and PC, PC adjusted for AP and CP.