

**Table S1 Subgroup analyses of odd ratios for TMD in PD and non-PD in study I**

Characteristics	Odd ratios (95% confidence interval) for TMD			
	Crude	P-value	Adjusted†	P-value
BMI < 23 (n = 8,578)				
PD	1.36 (0.82-2.25)	0.235	1.40 (0.84-2.32)	0.196
Non-PD	1.00		1.00	
BMI ≥ 23 (n = 13,697)				
PD	1.47 (0.94-2.30)	0.092	1.51 (0.96-2.37)	0.072
Non-PD	1.00		1.00	
Nonsmoker (n = 16,826)				
PD	1.50 (1.05-2.14)	0.024*	1.53 (1.07-2.19)	0.019*
Non-PD	1.00		1.00	
Past smoker and current smoker (n = 5,449)				
PD	0.89 (0.30-2.63)	0.838	0.92 (0.31-2.72)	0.875
Non-PD	1.00		1.00	
Alcohol consumption < 1 time a week (n = 15,830)				
PD	1.39 (0.96-2.02)	0.081	1.42 (0.97-2.06)	0.068
Non-PD	1.00		1.00	
Alcohol consumption ≥ 1 time a week (n = 6,445)				
PD	1.59 (0.74-3.45)	0.238	1.59 (0.73-3.46)	0.244
Non-PD	1.00		1.00	
Systolic blood pressure < 140 mmHg and diastolic blood pressure < 90 mmHg (n = 16,594)				
PD	1.49 (0.99-2.24)	0.059	1.49 (0.98-2.24)	0.060
Non-PD	1.00		1.00	
Systolic blood pressure ≥ 140 mmHg or diastolic blood pressure ≥ 90 mmHg (n = 5,681)				
PD	1.43 (0.80-2.55)	0.232	1.45 (0.81-2.61)	0.213
Non-PD	1.00		1.00	
Fasting blood glucose < 100 mg/dL (n = 14,150)				

PD	1.18 (0.74-1.88)	0.496	1.18 (0.74-1.90)	0.489
Non-PD	1.00		1.00	
Fasting blood glucose $\geq$ 100 mg/dL (n = 8,125)				
PD	1.83 (1.13-2.96)	0.013*	1.85 (1.14-3.00)	0.013*
Non-PD	1.00		1.00	
Total cholesterol < 200 mg/dL (n = 11,704)				
PD	1.38 (0.88-2.16)	0.164	1.38 (0.88-2.17)	0.165
Non-PD	1.00		1.00	
Total cholesterol $\geq$ 200 mg/dL (n = 10,571)				
PD	1.50 (0.91-2.47)	0.116	1.57 (0.95-2.61)	0.080
Non-PD	1.00		1.00	

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Abbreviation: CCI, Charlson Comorbidity Index;

\* Logistic regression model, Significance at  $P < 0.05$

† Models adjusted for obesity, smoking, alcohol consumption, systolic blood pressure, diastolic blood pressure, fasting blood glucose, total cholesterol and CCI scores.

**Table S2 Subgroup analyses of odd ratios for PD in TMD and non-TMD groups in study**

**II**

Characteristics	Odd ratios (95% confidence interval) for PD			
	Crude	P-value	Adjusted†	P-value
BMI < 23 (n = 12,112)				
TMD	1.98 (1.28-3.08)	0.002*	2.04 (1.31-3.19)	0.002*
Non-TMD	1.00		1.00	
BMI ≥ 23 (n = 18,268)				
TMD	1.10 (0.69-1.74)	0.702	1.12 (0.70-1.79)	0.628
Non-TMD	1.00		1.00	
Nonsmoker (n = 23,058)				
TMD	1.54 (1.08-2.20)	0.017*	1.56 (1.09-2.24)	0.015*
Non-TMD	1.00		1.00	
Past smoker and current smoker (n = 7,322)				
TMD	1.24 (0.61-2.49)	0.553	1.26 (0.62-2.56)	0.518
Non-TMD	1.00		1.00	
Alcohol consumption < 1 time a week (n = 22,359)				
TMD	1.34 (0.91-1.96)	0.135	1.34 (0.91-1.98)	0.138
Non-TMD	1.00		1.00	
Alcohol consumption ≥ 1 time a week (n = 8,021)				
TMD	1.91 (1.09-3.35)	0.024*	1.92 (1.09-3.38)	0.024*
Non-TMD	1.00		1.00	
Systolic blood pressure < 140 mmHg and diastolic blood pressure < 90 mmHg (n = 20,446)				
TMD	1.43 (1.00-2.05)	0.053	1.45 (1.00-2.09)	0.048*
Non-TMD	1.00		1.00	
Systolic blood pressure ≥ 140 mmHg or diastolic blood pressure ≥ 90 mmHg (n = 9,934)				
TMD	1.63 (0.85-3.13)	0.138	1.73 (0.90-3.33)	0.103

Non-TMD	1.00		1.00	
Fasting blood glucose < 100 mg/dL (n = 17,581)				
TMD	1.59 (1.06-2.38)	0.026*	1.62 (1.07-2.44)	0.022*
Non-TMD	1.00		1.00	
Fasting blood glucose ≥ 100 mg/dL (n = 12,799)				
TMD	1.33 (0.80-2.19)	0.268	1.36 (0.82-2.27)	0.239
Non-TMD	1.00		1.00	
Total cholesterol < 200 mg/dL (n = 16,603)				
TMD	1.18 (0.76-1.84)	0.455	1.22 (0.78-1.90)	0.383
Non-TMD	1.00		1.00	
Total cholesterol ≥ 200 mg/dL (n = 13,777)				
TMD	1.89 (1.20-2.98)	0.006*	1.93 (1.21-3.06)	0.006*
Non-TMD	1.00		1.00	

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Abbreviation: CCI, Charlson Comorbidity Index;

\* Logistic regression model, Significance at  $P < 0.05$

† Models adjusted for obesity, smoking, alcohol consumption, systolic blood pressure, diastolic blood pressure, fasting blood glucose, total cholesterol, and CCI scores.