

Supplementary Table 6. HRs and 95% CIs of new-onset diabetes mellitus per kg/m² increase in predicted body composition index stratified by BMI subgroup of BMI (participants with normal fasting glucose, excluding pre-diabetics)

Baseline BMI group	Event	Person-years	pASMMI		pBFMI		pLBMI	
			HR (95% CI)	<i>P</i> value	HR (95% CI)	<i>P</i> value	HR (95% CI)	<i>P</i> value
Male								
Overall	16,617	63,689.36	0.903 (0.827–0.987)	0.0238	1.055 (1.008–1.103)	0.0202	0.947 (0.905–0.992)	0.0200
Normal	8,394	31,122.48	1.036 (0.906–1.184)	0.6028	0.984 (0.920–1.054)	0.6499	1.016 (0.948–1.088)	0.6527
Overweight	6,929	27,073.77	0.795 (0.693–0.913)	0.0011	1.125 (1.049–1.206)	0.0010	0.888 (0.827–0.953)	0.0010
Obese	1,294	5,493.11	0.901 (0.832–0.971)	0.0035	1.096 (1.024–1.167)	0.0151	0.925 (0.871–0.978)	0.0358
Female								
Overall	22,436	80,963.96	0.698 (0.526–0.925)	0.0123	1.156 (1.038–1.287)	0.0083	0.876 (0.794–0.966)	0.0081
Normal	13,303	47,478.35	0.772 (0.525–1.134)	0.1871	0.114 (0.962–1.290)	0.1502	0.906 (0.892–1.036)	0.1482
Overweight	7,871	28,790.46	0.518 (0.324–0.828)	0.0060	1.293 (1.082–1.546)	0.0048	0.790 (0.671–0.931)	0.0047
Obese	1,262	4,695.15	0.803 (0.719–0.887)	0.0369	1.190 (1.069–1.312)	0.0398	0.824 (0.755–0.895)	0.0412

Multivariate analysis adjusted for age, baseline and secondary body mass index, household income, smoking, alcohol consumption, regular exercise, fasting serum glucose, hypertension, dyslipidemia, atrial fibrillation, estimated glomerular filtration rate, and Charlson comorbidity index. HR, hazard ratio; CI, confidence interval; BMI, body mass index; pASMMI, predicted appendicular skeletal muscle mass index; pBFMI, predicted body fat mass index; pLBMI, predicted lean body mass index.