

Supplemental Table S3. Risk of Study Outcomes by Quartiles of VIM for BW and WC in Weight Change Status Groups

Variable	HR (95% CI)				P for trend	P for interaction
	Q1	Q2	Q3	Q4		
Myocardial infarction						
Change in BW	VIM for BW					0.158
≤-5%	-	1 (reference)	1.00 (0.71–1.43)	1.11 (0.78–1.57)	0.032	
Stable	1 (reference)	1.06 (1.02–1.11)	1.07 (1.01–1.12)	1.21 (1.13–1.30)	<0.001	
≥5%	-	1 (reference)	1.40 (1.07–1.82)	1.46 (1.12–1.90)	0.023	
Change in BW	VIM for WC					0.241
≤-5%	1 (reference)	1.05 (0.92–1.20)	0.96 (0.85–1.09)	1.06 (0.94–1.20)	0.535	
Stable	1 (reference)	1.02 (0.97–1.03)	0.98 (0.93–1.03)	1.03 (0.98–1.09)	0.658	
≥5%	1 (reference)	0.94 (0.83–1.07)	0.94 (0.83–1.06)	0.87 (0.77–0.98)	0.030	
Stroke						
Change in BW	VIM for WC					0.068
≤-5%	-	1 (reference)	1.59 (1.06–2.39)	1.69 (1.13–2.54)	0.023	
Stable	1 (reference)	1.03 (0.99–1.08)	1.08 (1.03–1.13)	1.27 (1.19–1.35)	<0.001	
≥5%	-	1 (reference)	1.02 (0.82–1.27)	1.08 (0.87–1.35)	0.125	
Change in BW	VIM for WC					0.750
≤-5%	1 (reference)	1.04 (0.92–1.18)	1.03 (0.92–1.15)	1.14 (1.02–1.27)	0.017	
Stable	1 (reference)	1.00 (0.95–1.05)	1.01 (0.96–1.06)	1.05 (1.00–1.10)	0.067	
≥5%	1 (reference)	1.00 (0.89–1.13)	1.02 (0.91–1.14)	1.01 (0.90–1.13)	0.785	
All-cause mortality						
Change in BW	VIM for BW					0.022
≤-5%		1 (reference)	1.55 (1.14–2.10)	2.11 (1.56–2.86)	<0.001	
Stable	1 (reference)	1.08 (1.04–1.11)	1.23 (1.18–1.28)	1.52 (1.45–1.60)	<0.001	
≥5%		1 (reference)	1.12 (0.92–1.36)	1.47 (1.21–1.78)	<0.001	
Change in BW	VIM for WC					0.119
≤-5%	1 (reference)	0.97 (0.89–1.05)	1.00 (0.92–1.08)	1.16 (1.08–1.25)	<0.001	
Stable	1 (reference)	1.06 (1.02–1.10)	1.09 (1.05–1.13)	1.21 (1.16–1.26)	<0.001	
≥5%	1 (reference)	0.98 (0.85–1.02)	1.03 (0.94–1.12)	1.15 (1.06–1.25)	<0.001	

Adjusted for age, sex, smoking status, alcohol intake, physical activity, income, hypertension, diabetes mellitus, dyslipidemia, chronic kidney disease, number of measurement, and baseline body mass index (or baseline WC).

VIM, variability independent of mean; BW, body weight; WC, waist circumference; HR, hazard ratio; CI, confidence interval.