

**Supplementary Table S1.** Association of NLR quartiles with subclinical macrovascular and microvascular diseases by waist circumference categories

NLR	Abnormal ABI		Elevated baPWV		Albuminuria	
	Model 1	Model 2	Model 1	Model 2	Model 1	Model 2
WC < 90 cm (men)/80 cm (women) (n = 3,428)						
Quartile 1	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)
Quartile 2	0.74 (0.28–1.32)	0.75 (0.29–1.33)	0.91 (0.65–1.91)	0.89 (0.63–1.88)	1.42 (0.93–2.53)	1.45 (0.94–2.57)
Quartile 3	0.90 (0.37–1.45)	0.91 (0.38–1.46)	1.39 (1.04–2.82)	1.32 (0.97–2.65)	1.28 (0.84–2.31)	1.24 (0.81–2.24)
Quartile 4	2.27 (1.09–2.98)	2.31 (1.10–3.00)	1.29 (0.95–2.59)	1.21 (0.89–2.44)	1.72 (1.16–3.17)	1.70 (1.13–3.11)
Per SD increase	1.35 (1.14–3.13)	1.36 (1.15–3.15)	1.13 (1.03–2.81)	1.11 (1.01–2.75)	1.19 (1.07–2.91)	1.19 (1.07–2.91)
WC ≥ 90 cm (men)/80 cm (women) (n = 3,002)						
Quartile 1	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)	1.00 (ref.)
Quartile 2	1.43 (0.61–1.84)	1.46 (0.62–1.87)	1.17 (0.88–2.41)	1.13 (0.85–2.33)	0.93 (0.67–1.95)	0.92 (0.66–1.93)
Quartile 3	2.03 (0.90–2.46)	2.01 (0.89–2.43)	1.12 (0.83–2.29)	1.15 (0.84–2.33)	1.09 (0.78–2.19)	1.09 (0.78–2.18)
Quartile 4	1.57 (0.66–1.93)	1.58 (0.66–1.93)	1.27 (0.94–2.55)	1.27 (0.94–2.55)	1.20 (0.86–2.36)	1.17 (0.84–2.32)
Per SD increase	1.24 (1.01–2.74)	1.24 (1.00–2.71)	1.08 (0.98–2.66)	1.10 (0.99–2.70)	1.08 (0.96–2.62)	1.08 (0.96–2.60)
P for interaction <sup>a</sup>	0.52		0.68		0.27	

**Note.** Model 1: Adjusted for age, sex, education attainment, physical activity, smoking status and drinking status. Model 2: Further adjusted for metabolic risk factors (HbA1c, SBP, DBP, LDL-c, HDL-c, and triglycerides) based on model 1. <sup>a</sup>The interactions of WC category with NLR (per SD increase) on risks of diseases was examined by including respective multiplicative interaction term in the final model 2. NLR, neutrophil-to lymphocyte ratio; ABI, ankle brachial index; baPWV, brachial-ankle pulse wave velocity; SD, standard deviation BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; HbA1c, glycated hemoglobin; LDL-c, low density lipoprotein cholesterol; HDL-c, high density lipoprotein cholesterol; WC, waist circumference.