

Additional file 4 The sensitivity analysis of the association between WHR and all-cause mortality in all population and adults of different sex.

WHR	Model 1		Model 3	
	HR (95%CI)	P value	HR (95%CI)	P value
All*				
Low WHR	ref.		ref.	
Moderate WHR	1.04 (0.99-1.09)	0.136	1.13 (1.08-1.19)	<0.001
High WHR	0.82 (0.78-0.86)	<0.001	1.24 (1.16-1.31)	<0.001
P for trends		<0.001		<0.001
Sex#				
Female				
Low WHR	ref.		ref.	
Moderate WHR	1.94 (1.56-2.40)	<0.001	1.13(0.91-1.41)	0.259
High WHR	2.97 (2.45-3.61)	<0.001	1.37(1.11-1.68)	0.003
P for trends		<0.001		<0.001
Male				
Low WHR	ref.		ref.	
Moderate WHR	1.39(1.32-1.46)	<0.001	1.15(1.09-1.21)	<0.001
High WHR	1.37(1.28-1.47)	<0.001	1.20(1.12-1.28)	<0.001
P for trends		<0.001		<0.001

Notes: BMI, body mass index; WHR, waist-to-hip ratio; FBG, fasting blood glucose; hsCRP, high sensitivity C reactive protein.

*: Model 1: unadjusted; Model 2: adjusted for sex and age; Model 3: adjusted for sex, age, smoking history, drinking status, hs-CRP, FBG, hypertension, diabetes, myocardial infarction, family income, educational background, physical exercise, and BMI.

#: Model 1: unadjusted; Model 2: adjusted for age; Model 3: adjusted for age, smoking history, drinking status, hs-CRP, FBG, hypertension, diabetes, myocardial infarction, family income, educational background, physical exercise, and BMI.