

Additional file 3 The sensitivity analysis of the association between WHR and cancer risk 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	1.10(1.02-1.19)	0.010	1.09(1.00-1.18)	0.039
High WHR	1.09(1.01-1.17)	0.034	1.09(0.99-1.20)	0.076
P for trends		0.007		0.016
Sex#				
Female				
Low WHR	ref.		ref.	
Moderate WHR	1.54(1.26-1.87)	<0.001	1.29(1.05-1.58)	0.015
High WHR	1.67(1.39-2.00)	<0.001	1.33(1.09-1.62)	0.004
P for trends		<0.001		0.010
Male				
Low WHR	ref.		ref.	
Moderate WHR	1.16(1.06-1.26)	0.001	1.07(0.98-1.17)	0.105
High WHR	1.14(1.01-1.29)	0.037	1.06(0.94-1.20)	0.258
P for trends		0.001		0.132

Notes: WHR, waist-to-hip ratio; BMI, body mass index; 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.