

Table S1: Methods, coefficients of variation and limits of detection for laboratory parameters in the CHARLS wave 1 national survey

Biomarkers	Method	Coefficient of variation		Detection limits
		Within assay	Between assay	
TC, mg/dL	Enzymatic colormetric test	0.80%	1.70%	3-800 mg/dL
HDL-C, mg/dL	Enzymatic colormetric test	1.00%	1.30%	3-120 mg/dL
LDL-C, mg/dL	Enzymatic colormetric test	0.70%	1.20%	3-400 mg/dL
TG, mg/dL	Enzymatic colormetric test	1.50%	1.80%	4-1000 mg/dL
FPG, mg/dL	Enzymatic colormetric test	0.90%	1.80%	2-450 mg/dL
HbA1C, %	BoronateaffinityHPLC	1.90%	2.10%	0-40%
hs-CRP, mg/L	Immunoturbidimetric assay	<1.3%	<5.7%	0.1-20 mg/L
Cr, mg/dL	Rate-blanked and compensated Jaffe creatinine method	<1.6%	<2.1%	0.1-25 mg/dL
UA, mg/dL	UAPlusmethod	1.10%	1.90%	Upto20 mg/dL

Abbreviations as in Table 1.

Table S2: Methods, coefficients of variation and limits of detection for laboratory parameters in the CHARLS wave 3 national survey

Biomarkers	Method	Coefficient of variation		Detection limits
		Within assay	Between assay	
TC, mmol/L	Oxidase method	<0.70	<3.18	0.13–18.18
HDL-C, mmol/L	Direct method	<0.67	<3.14	0.09–3.08
LDL-C, mmol/L	Direct method	<1.38	<2.90	0.22–14.14
TG, mmol/L	Oxidase method	<0.41	<3.64	0.12–9.78
FPG, mmol/L	Hexokinase	<0.40	<2.50	0.13–39.58
HbA1C, %	High performance liquid chromatography	<1.16	<1.27	3.85–17.80
hs-CRP, mg/L	Immunoturbidimetric assay	<2.94	<2.09	0.1-20 mg/L
UA, μ mol/L	Uricase, catalase	<0.25	<2.32	0.10–140.00
Cr, μ mol/L	Picric acid method	<1.87	<4.34	22.85–2151.70

Abbreviations as in Table 1.

Table S3: Comparing baseline characteristics of participants with and without missing AIP and its obesity-related derivatives in the first and third wave of CHARLS.

	Wave 1			Wave 3		
	Complete group	Missing group	Standardized difference, % (95% CI)	Complete group	Missing group	Standardized difference, % (95% CI)
No. of subjects	6979	5748		6812	5915	
Age, years	58.00 (51.00-65.00)	56.00 (49.00-64.00)	0.07 (0.03, 0.10)	61.00 (55.00-67.00)	61.00 (53.00-69.00)	0.07 (0.04, 0.11)
Glucose, mmol/L	102.24 (94.14-112.86)	101.88 (94.27-112.86)	0.02 (-0.04, 0.08)	95.50 (88.29-106.31)	95.50 (90.09-115.32)	0.13 (-0.03, 0.28)
Cr, mg/dL	0.76 (0.64-0.88)	0.77 (0.66-0.89)	0.04 (-0.02, 0.10)	0.76 (0.66-0.89)	0.76 (0.65-0.88)	0.01 (-0.16, 0.17)
TC, mg/dL	190.21 (167.01-214.95)	185.57 (163.15-211.86)	0.12 (0.06, 0.18)	181.08 (159.46-205.02)	183.01 (161.00-202.90)	0.06 (-0.11, 0.23)
TG, mg/dL	102.66 (73.45-149.56)	107.08 (77.00-158.41)	0.06 (-0.00, 0.12)	111.50 (80.53-166.37)	123.01 (89.38-187.61)	0.11 (-0.05, 0.28)
HDL-C, mg/dL	49.87 (40.98-60.31)	48.33 (38.66-58.38)	0.13 (0.07, 0.19)	50.58 (43.63-58.30)	49.81 (41.31-58.30)	0.14 (-0.02, 0.31)
LDL-C, mg/dL	113.66 (92.78-136.47)	111.73 (90.08-134.15)	0.10 (0.04, 0.15)	100.39 (82.63-118.92)	99.61 (82.63-121.43)	0.09 (-0.07, 0.26)
hs-CRP, mg/L	0.99 (0.54-2.09)	0.97 (0.51-2.04)	0.02 (-0.04, 0.07)	1.40 (0.70-2.60)	1.60 (0.85-3.05)	0.14 (-0.03, 0.30)
HbA1c, %	5.24 (0.79)	5.20 (0.84)	0.05 (-0.01, 0.11)	5.97 (1.00)	5.84 (0.60)	0.15 (0.00, 0.31)
UA, mg/dL	4.31 (3.58-5.16)	4.39 (3.65-5.24)	0.09 (0.03, 0.14)	4.80 (3.90-5.70)	5.05 (4.10-5.80)	0.12 (-0.04, 0.28)
Height, m	1.58 (0.09)	1.59 (0.09)	0.09 (0.05, 0.13)	1.58 (0.08)	1.57 (0.09)	0.07 (0.02, 0.13)
Weight, kg	57.20 (50.60-64.95)	57.00 (50.60-64.90)	0.00 (-0.04, 0.04)	57.90 (51.27-65.50)	56.50 (49.60-65.00)	0.08 (0.03, 0.14)
WC, cm	83.51 (12.26)	83.12 (12.22)	0.03 (-0.01, 0.08)	84.49 (13.05)	85.00 (13.31)	0.04 (-0.02, 0.09)
Sex, n (%)			0.10 (0.07, 0.14)			0.08 (0.04, 0.11)
Male	3367 (48.24%)	3069 (53.41%)		3320 (48.74%)	3116 (52.70%)	
Female	3612 (51.76%)	2677 (46.59%)		3492 (51.26%)	2797 (47.30%)	
Marital status, n (%)			0.03 (-0.00, 0.07)			0.03 (-0.01, 0.07)
Married	6164 (88.32%)	5001 (87.26%)		5869 (86.16%)	3008 (84.97%)	
Other	815 (11.68%)	730 (12.74%)		943 (13.84%)	532 (15.03%)	
Place of residence, n (%)			0.24 (0.20, 0.27)			0.08 (0.04, 0.12)
Village	4640 (66.49%)	3162 (55.01%)		4526 (66.44%)	2221 (62.55%)	
City	2339 (33.51%)	2586 (44.99%)		2286 (33.56%)	1330 (37.45%)	
Education, n (%)			0.24 (0.21, 0.28)			0.14 (0.10, 0.18)
Below primary	3388 (48.57%)	2348 (41.08%)		3136 (46.04%)	1603 (45.14%)	
Primary schools	1527 (21.89%)	1118 (19.56%)		1535 (22.53%)	682 (19.21%)	
Middle school	1402 (20.10%)	1296 (22.68%)		1474 (21.64%)	769 (21.66%)	
High school and above	658 (9.43%)	953 (16.68%)		667 (9.79%)	497 (14.00%)	
Kidney disease, n (%)			0.02 (-0.02, 0.05)			0.01 (-0.03, 0.05)
No	6618 (95.47%)	5424 (95.78%)		6163 (92.15%)	3167 (91.93%)	
Yes	314 (4.53%)	239 (4.22%)		525 (7.85%)	278 (8.07%)	
Hypertension, n (%)			0.25 (0.22, 0.29)			0.24 (0.19, 0.28)
No	3908 (56.22%)	3878 (68.37%)		3499 (51.93%)	2189 (63.49%)	
Yes	3043 (43.78%)	1794 (31.63%)		3239 (48.07%)	1259 (36.51%)	
Diabetes, n (%)			0.24 (0.20, 0.27)			0.28 (0.24, 0.32)
No	5979	5293		5590	3161	

	(86.56%)	(93.58%)		(83.52%)	(92.51%)	
Yes	928	363 (6.42%)		1103	256 (7.49%)	
	(13.44%)			(16.48%)		
Drinking status, n (%)			0.02 (-0.01, 0.06)			0.02 (-0.03, 0.06)
No	4520	3619		4323	2255	
	(64.81%)	(63.69%)		(63.54%)	(64.26%)	
Yes	2454	2063		2481	1254	
	(35.19%)	(36.31%)		(36.46%)	(35.74%)	
Smoking status, n (%)			0.05 (0.01, 0.08)			0.01 (-0.03, 0.05)
No	4730	3635		4771	2443	
	(67.99%)	(70.12%)		(70.09%)	(69.52%)	
Yes	2227	1549		2036	1071	
	(32.01%)	(29.88%)		(29.91%)	(30.48%)	

Abbreviations as in Table 1.

Table S4: The missing number and rate of covariates.

	Non- Missing	Missing
Kidney disease	4484	35
Drinking status	4515	4
Smoking status	4506	13
Glucose	4515	4
Cr	4513	6
HbA1c	4489	30
TC	4517	2
LDL-C	4509	10
hs-CRP	4518	1
UA	4518	1

Abbreviations as in Table 1.

Table S5: Association between baseline AIP and its obesity derivatives with stroke.

	OR (95% CI)			
	Non-adjusted	Model I	Model II	Model III
AIP (Per SD increase)	1.27 (1.12, 1.46)	1.30 (1.13, 1.48)	1.26 (1.09, 1.45)	1.33 (1.14, 1.56)
AIP-BMI (Per SD increase)	1.30 (1.14, 1.48)	1.33 (1.17, 1.52)	1.30 (1.13, 1.49)	1.37 (1.17, 1.59)
AIP-WC (Per SD increase)	1.30 (1.14, 1.48)	1.32 (1.16, 1.51)	1.28 (1.12, 1.47)	1.36 (1.16, 1.58)
AIP-WHtR (Per SD increase)	1.31 (1.15, 1.49)	1.33 (1.17, 1.52)	1.29 (1.12, 1.48)	1.36 (1.17, 1.59)
AIP-BRI (Per SD increase)	1.34 (1.18, 1.51)	1.35 (1.19, 1.53)	1.32 (1.15, 1.50)	1.37 (1.19, 1.58)
AIP-CVAI (Per SD increase)	1.29 (1.15, 1.45)	1.29 (1.15, 1.45)	1.26 (1.11, 1.43)	1.34 (1.16, 1.54)
AIP tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.79 (1.21, 2.65)	1.82 (1.23, 2.69)	1.80 (1.21, 2.66)	1.72 (1.16, 2.55)
T3	1.90 (1.29, 2.79)	1.97 (1.34, 2.91)	1.84 (1.23, 2.74)	1.75 (1.17, 2.61)
AIP-BMI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.76 (1.18, 2.62)	1.78 (1.20, 2.65)	1.76 (1.18, 2.63)	1.69 (1.13, 2.53)
T3	2.05 (1.40, 3.02)	2.18 (1.48, 3.22)	2.05 (1.37, 3.07)	1.94 (1.30, 2.91)
AIP-WC tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.83 (1.23, 2.73)	1.85 (1.24, 2.76)	1.83 (1.22, 2.73)	1.75 (1.17, 2.62)
T3	2.11 (1.43, 3.11)	2.20 (1.49, 3.26)	2.07 (1.39, 3.10)	1.97 (1.31, 2.95)
AIP-WHtR tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.76 (1.18, 2.62)	1.78 (1.20, 2.65)	1.75 (1.18, 2.62)	1.68 (1.12, 2.51)
T3	2.05 (1.40, 3.02)	2.13 (1.45, 3.15)	2.00 (1.34, 2.99)	1.90 (1.27, 2.84)
AIP-BRI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.72 (1.15, 2.58)	1.75 (1.17, 2.62)	1.72 (1.14, 2.58)	1.65 (1.10, 2.48)
T3	2.22 (1.51, 3.27)	2.29 (1.55, 3.38)	2.17 (1.45, 3.25)	2.04 (1.36, 3.07)
AIP-CVAI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.64 (1.09, 2.46)	1.65 (1.10, 2.48)	1.63 (1.08, 2.45)	1.56 (1.03, 2.35)
T3	2.30 (1.57, 3.39)	2.31 (1.57, 3.40)	2.20 (1.47, 3.29)	2.08 (1.39, 3.11)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; CVD: cardiovascular disease; other abbreviations as in Table 1.

Model I adjust for age, sex;

Model II adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status;

Model III adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP.

Table S6: Association between cumulative changes in AIP and its obesity-related derivatives and stroke.

	OR (95% CI)			
	Non-adjusted	Model I	Model II	Model III
Cumulative AIP (Per SD increase)	1.33 (1.16, 1.52)	1.36 (1.19, 1.56)	1.32 (1.15, 1.53)	1.32 (1.18, 1.60)
Cumulative AIP-BMI (Per SD increase)	1.33 (1.17, 1.52)	1.38 (1.21, 1.58)	1.35 (1.17, 1.55)	1.39 (1.19, 1.61)
Cumulative AIP-WC (Per SD increase)	1.34 (1.17, 1.52)	1.37 (1.20, 1.57)	1.34 (1.16, 1.54)	1.38 (1.19, 1.60)
Cumulative AIP-WHtR (Per SD increase)	1.35 (1.18, 1.54)	1.38 (1.21, 1.58)	1.35 (1.17, 1.55)	1.39 (1.20, 1.62)
Cumulative AIP-BRI (Per SD increase)	1.36 (1.20, 1.55)	1.39 (1.22, 1.57)	1.35 (1.18, 1.55)	1.38 (1.20, 1.59)
Cumulative AIP-CVAI (Per SD increase)	1.32 (1.17, 1.49)	1.33 (1.17, 1.50)	1.30 (1.14, 1.48)	1.34 (1.17, 1.54)
Cumulative AIP tertile groups				
T1	1.0	1.0	1.0	1.0
T2	2.14 (1.43, 3.21)	2.19 (1.46, 3.29)	2.18 (1.45, 3.28)	2.03 (1.34, 3.06)
T3	2.23 (1.49, 3.33)	2.36 (1.57, 3.54)	2.22 (1.47, 3.37)	2.10 (1.39, 3.19)
Cumulative AIP-BMI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.99 (1.33, 2.98)	2.04 (1.36, 3.06)	2.03 (1.35, 3.05)	1.90 (1.26, 2.87)
T3	2.23 (1.50, 3.31)	2.40 (1.61, 3.59)	2.28 (1.51, 3.45)	2.15 (1.42, 3.26)
Cumulative AIP-WC tertile groups				
T1	1.0	1.0	1.0	1.0
T2	2.23 (1.49, 3.36)	2.26 (1.50, 3.41)	2.23 (1.48, 3.37)	2.09 (1.38, 3.16)
T3	2.29 (1.53, 3.44)	2.43 (1.62, 3.66)	2.31 (1.51, 3.51)	2.17 (1.43, 3.32)
Cumulative AIP-WHtR tertile groups				
T1	1.0	1.0	1.0	1.0
T2	2.11 (1.40, 3.18)	2.15 (1.42, 3.25)	2.12 (1.40, 3.22)	1.99 (1.31, 3.03)
T3	2.42 (1.62, 3.62)	2.55 (1.70, 3.84)	2.43 (1.59, 3.69)	2.30 (1.51, 3.50)
Cumulative AIP-BRI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.64 (1.09, 2.46)	1.69 (1.12, 2.54)	1.66 (1.10, 2.51)	1.58 (1.05, 2.39)
T3	2.30 (1.57, 3.39)	2.43 (1.64, 3.59)	2.31 (1.54, 3.46)	2.14 (1.42, 3.23)
Cumulative AIP-CVAI tertile groups				
T1	1.0	1.0	1.0	1.0
T2	1.77 (1.18, 2.66)	1.78 (1.18, 2.67)	1.75 (1.16, 2.64)	1.67 (1.10, 2.52)
T3	2.31 (1.56, 3.41)	2.34 (1.58, 3.46)	2.22 (1.48, 3.34)	2.06 (1.37, 3.11)
AIP control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	2.02 (1.39, 2.92)	2.07 (1.43, 3.01)	2.04 (1.40, 2.97)	1.87 (1.27, 2.73)
Class 3	2.48 (1.63, 3.77)	2.67 (1.75, 4.08)	2.50 (1.61, 3.86)	2.45 (1.58, 3.80)
AIP-BMI control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	1.82 (1.29, 2.55)	1.91 (1.36, 2.69)	1.88 (1.33, 2.67)	1.73 (1.22, 2.46)
Class 3	2.22 (1.47, 3.34)	2.45 (1.62, 3.72)	2.28 (1.48, 3.52)	2.28 (1.47, 3.52)
AIP-WC control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	1.96 (1.39, 2.76)	2.03 (1.44, 2.87)	1.99 (1.40, 2.83)	1.82 (1.28, 2.60)
Class 3	2.35 (1.56, 3.56)	2.54 (1.67, 3.86)	2.37 (1.53, 3.67)	2.37 (1.53, 3.66)
AIP-WHtR control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	2.09 (1.48, 2.97)	2.17 (1.53, 3.09)	2.14 (1.50, 3.06)	1.96 (1.37, 2.81)
Class 3	2.38 (1.56, 3.63)	2.56 (1.67, 3.93)	2.38 (1.53, 3.71)	2.37 (1.52, 3.70)
AIP-BRI control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	1.77 (1.28, 2.44)	1.83 (1.32, 2.54)	1.79 (1.29, 2.50)	1.66 (1.19, 2.33)
Class 3	2.20 (1.45, 3.33)	2.33 (1.52, 3.58)	2.13 (1.37, 3.34)	2.21 (1.41, 3.46)
AIP-CVAI control level				
Class 1	1.0	1.0	1.0	1.0
Class 2	1.64 (1.20, 2.25)	1.67 (1.21, 2.29)	1.61 (1.16, 2.23)	1.49 (1.07, 2.07)
Class 3	1.90 (1.21, 2.96)	1.91 (1.22, 2.98)	1.72 (1.08, 2.74)	1.82 (1.14, 2.91)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; CVD: cardiovascular disease; other abbreviations as in Table 1.

Model I adjust for age, sex;

Model II adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status;

Model III adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP.

Table S7: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in sex subgroups.

	Sex	OR (95% CI)
AIP control level		
Class 1	Male	Ref.
Class 2	Male	1.42 (1.03, 1.97)
Class 3	Male	1.54 (1.02, 2.34)
Class 1	Female	1.62 (1.08, 2.41)
Class 2	Female	1.82 (1.25, 2.65)
Class 3	Female	2.02 (1.33, 3.07)
P-interaction		0.5364
AIP-BMI control level		
Class 1	Male	Ref.
Class 2	Male	1.44 (1.06, 1.98)
Class 3	Male	1.68 (1.09, 2.59)
Class 1	Female	1.68 (1.16, 2.45)
Class 2	Female	1.68 (1.16, 2.44)
Class 3	Female	2.26 (1.49, 3.42)
P-interaction		0.2150
AIP-WC control level		
Class 1	Male	Ref.
Class 2	Male	1.42 (1.04, 1.95)
Class 3	Male	1.63 (1.06, 2.49)
Class 1	Female	1.64 (1.13, 2.39)
Class 2	Female	1.72 (1.19, 2.49)
Class 3	Female	2.15 (1.41, 3.28)
P-interaction		0.3463
AIP-WHtR control level		
Class 1	Male	Ref.
Class 2	Male	1.50 (1.10, 2.04)
Class 3	Male	1.40 (0.89, 2.21)
Class 1	Female	1.66 (1.14, 2.43)
Class 2	Female	1.71 (1.18, 2.46)
Class 3	Female	2.13 (1.42, 3.22)
P-interaction		0.1779
AIP-BRI control level		
Class 1	Male	Ref.
Class 2	Male	1.45 (1.06, 1.97)
Class 3	Male	1.70 (1.03, 2.82)
Class 1	Female	1.57 (1.11, 2.22)
Class 2	Female	1.67 (1.18, 2.38)
Class 3	Female	2.04 (1.35, 3.08)
P-interaction		0.3025
AIP-CVAI control level		
Class 1	Male	Ref.
Class 2	Male	1.46 (1.07, 2.00)
Class 3	Male	1.41 (0.88, 2.26)
Class 1	Female	1.56 (1.11, 2.20)
Class 2	Female	1.59 (1.11, 2.26)
Class 3	Female	2.45 (1.56, 3.84)
P-interaction		0.1466

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S8: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in age subgroups.

	Age groups (years)	OR (95% CI)
AIP control level		
Class 1	<65	Ref.
Class 2	<65	1.18 (0.92, 1.52)
Class 3	<65	1.23 (0.91, 1.66)
Class 1	≥65	0.86 (0.58, 1.26)
Class 2	≥65	1.21 (0.86, 1.70)
Class 3	≥65	1.54 (0.95, 2.48)
P-interaction		0.4797
AIP-BMI control level		
Class 1	<65	Ref.
Class 2	<65	1.09 (0.86, 1.39)
Class 3	<65	1.30 (0.96, 1.77)
Class 1	≥65	0.87 (0.62, 1.22)
Class 2	≥65	1.18 (0.83, 1.67)
Class 3	≥65	1.73 (1.03, 2.88)
P-interaction		0.3793
AIP-WC control level		
Class 1	<65	Ref.
Class 2	<65	1.04 (0.82, 1.32)
Class 3	<65	1.25 (0.92, 1.70)
Class 1	≥65	0.75 (0.53, 1.08)
Class 2	≥65	1.27 (0.91, 1.78)
Class 3	≥65	1.54 (0.93, 2.56)
P-interaction		0.0923
AIP-WHtR control level		
Class 1	<65	Ref.
Class 2	<65	1.11 (0.87, 1.41)
Class 3	<65	1.23 (0.91, 1.68)
Class 1	≥65	0.83 (0.58, 1.19)
Class 2	≥65	1.26 (0.89, 1.76)
Class 3	≥65	1.40 (0.85, 2.33)
P-interaction		0.3787
AIP-BRI control level		
Class 1	<65	Ref.
Class 2	<65	1.20 (0.95, 1.52)
Class 3	<65	1.39 (1.00, 1.92)
Class 1	≥65	0.99 (0.73, 1.35)
Class 2	≥65	1.19 (0.83, 1.71)
Class 3	≥65	1.50 (0.87, 2.56)
P-interaction		0.9626
AIP-CVAI control level		
Class 1	<65	Ref.
Class 2	<65	1.13 (0.90, 1.43)
Class 3	<65	1.49 (1.05, 2.10)
Class 1	≥65	0.95 (0.70, 1.29)
Class 2	≥65	1.21 (0.84, 1.73)
Class 3	≥65	1.47 (0.85, 2.56)
P-interaction		0.8893

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S9: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in education subgroups.

	Education	OR (95% CI)
AIP control level		
Class 1	Below primary	Ref.
Class 2	Below primary	1.18 (0.87, 1.60)
Class 3	Below primary	1.46 (1.01, 2.13)
Class 1	Primary schools	0.93 (0.61, 1.44)
Class 2	Primary schools	1.69 (1.19, 2.40)
Class 3	Primary schools	1.69 (1.08, 2.66)
Class 1	Middle school	1.14 (0.72, 1.78)
Class 2	Middle school	1.02 (0.66, 1.55)
Class 3	Middle school	0.85 (0.47, 1.51)
Class 1	High school and above	1.12 (0.58, 2.14)
Class 2	High school and above	1.35 (0.78, 2.33)
Class 3	High school and above	1.69 (0.82, 3.50)
P-interaction		0.2887
AIP-BMI control level		
Class 1	Below primary	Ref.
Class 2	Below primary	1.31 (0.97, 1.75)
Class 3	Below primary	1.66 (1.13, 2.44)
Class 1	Primary schools	1.21 (0.84, 1.76)
Class 2	Primary schools	1.51 (1.05, 2.16)
Class 3	Primary schools	2.19 (1.38, 3.46)
Class 1	Middle school	1.16 (0.77, 1.76)
Class 2	Middle school	0.98 (0.63, 1.52)
Class 3	Middle school	1.07 (0.60, 1.91)
Class 1	High school and above	1.37 (0.77, 2.45)
Class 2	High school and above	1.41 (0.82, 2.44)
Class 3	High school and above	1.47 (0.63, 3.40)
P-interaction		0.5990
AIP-WC control level		
Class 1	Below primary	Ref.
Class 2	Below primary	1.25 (0.93, 1.67)
Class 3	Below primary	1.58 (1.07, 2.34)
Class 1	Primary schools	1.07 (0.73, 1.58)
Class 2	Primary schools	1.63 (1.15, 2.31)
Class 3	Primary schools	1.92 (1.21, 3.06)
Class 1	Middle school	1.14 (0.75, 1.73)
Class 2	Middle school	0.94 (0.60, 1.45)
Class 3	Middle school	1.03 (0.58, 1.83)
Class 1	High school and above	1.34 (0.75, 2.39)
Class 2	High school and above	1.28 (0.73, 2.23)
Class 3	High school and above	1.61 (0.73, 3.57)
P-interaction		0.5180
AIP-WHtR control level		
Class 1	Below primary	Ref.
Class 2	Below primary	1.21 (0.90, 1.62)
Class 3	Below primary	1.48 (1.01, 2.17)
Class 1	Primary schools	1.04 (0.71, 1.53)
Class 2	Primary schools	1.57 (1.10, 2.22)
Class 3	Primary schools	1.96 (1.24, 3.10)
Class 1	Middle school	1.00 (0.65, 1.54)
Class 2	Middle school	1.13 (0.75, 1.71)
Class 3	Middle school	0.75 (0.39, 1.44)
Class 1	High school and above	1.47 (0.84, 2.56)
Class 2	High school and above	1.18 (0.67, 2.09)
Class 3	High school and above	1.36 (0.59, 3.15)
P-interaction		0.3442
AIP-BRI control level		
Class 1	Below primary	Ref.
Class 2	Below primary	1.24 (0.93, 1.66)
Class 3	Below primary	1.48 (0.99, 2.20)
Class 1	Primary schools	1.12 (0.80, 1.56)
Class 2	Primary schools	1.53 (1.07, 2.19)
Class 3	Primary schools	2.20 (1.34, 3.62)
Class 1	Middle school	0.96 (0.65, 1.41)
Class 2	Middle school	1.07 (0.70, 1.63)
Class 3	Middle school	0.88 (0.44, 1.76)
Class 1	High school and above	1.34 (0.82, 2.20)
Class 2	High school and above	1.20 (0.65, 2.21)
Class 3	High school and above	1.37 (0.52, 3.65)
P-interaction		0.6941
AIP-CVAI control level		

Class 1	Below primary	Ref.
Class 2	Below primary	1.18 (0.88, 1.58)
Class 3	Below primary	1.87 (1.24, 2.83)
Class 1	Primary schools	1.11 (0.80, 1.53)
Class 2	Primary schools	1.68 (1.19, 2.37)
Class 3	Primary schools	2.01 (1.14, 3.55)
Class 1	Middle school	1.08 (0.75, 1.55)
Class 2	Middle school	0.87 (0.55, 1.37)
Class 3	Middle school	0.94 (0.47, 1.88)
Class 1	High school and above	1.31 (0.80, 2.14)
Class 2	High school and above	1.40 (0.79, 2.50)
Class 3	High school and above	0.86 (0.26, 2.88)
P-interaction		0.2035

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S10: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in hypertension subgroups.

Hypertension		OR (95% CI)
AIP control level		
Class 1	No	Ref.
Class 2	No	1.13 (0.84, 1.52)
Class 3	No	1.24 (0.83, 1.83)
Class 1	Yes	1.41 (1.00, 1.98)
Class 2	Yes	1.98 (1.49, 2.64)
Class 3	Yes	2.15 (1.54, 3.02)
P-interaction		0.5661
AIP-BMI control level		
Class 1	No	Ref.
Class 2	No	1.28 (0.96, 1.72)
Class 3	No	1.49 (0.98, 2.26)
Class 1	Yes	1.76 (1.30, 2.38)
Class 2	Yes	1.90 (1.43, 2.52)
Class 3	Yes	2.53 (1.80, 3.55)
P-interaction		0.6885
AIP-WC control level		
Class 1	No	Ref.
Class 2	No	1.23 (0.92, 1.65)
Class 3	No	1.32 (0.86, 2.03)
Class 1	Yes	1.64 (1.21, 2.22)
Class 2	Yes	1.90 (1.44, 2.52)
Class 3	Yes	2.45 (1.74, 3.44)
P-interaction		0.7995
AIP-WHtR control level		
Class 1	No	Ref.
Class 2	No	1.25 (0.93, 1.67)
Class 3	No	1.31 (0.86, 2.01)
Class 1	Yes	1.66 (1.22, 2.26)
Class 2	Yes	1.97 (1.48, 2.61)
Class 3	Yes	2.28 (1.62, 3.21)
P-interaction		0.9301
AIP-BRI control level		
Class 1	No	Ref.
Class 2	No	1.45 (1.09, 1.94)
Class 3	No	1.32 (0.81, 2.15)
Class 1	Yes	1.83 (1.39, 2.40)
Class 2	Yes	1.89 (1.43, 2.51)
Class 3	Yes	2.62 (1.84, 3.73)
P-interaction		0.1850
AIP-CVAI control level		
Class 1	No	Ref.
Class 2	No	1.24 (0.92, 1.67)
Class 3	No	1.50 (0.91, 2.48)
Class 1	Yes	1.69 (1.30, 2.19)
Class 2	Yes	1.89 (1.44, 2.48)
Class 3	Yes	2.52 (1.74, 3.65)
P-interaction		0.8767

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S11: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in kidney disease subgroups.

	Kidney disease	OR (95% CI)
AIP control level		
Class 1	No	Ref.
Class 2	No	1.21 (0.97, 1.52)
Class 3	No	1.39 (1.06, 1.82)
Class 1	Yes	0.79 (0.33, 1.86)
Class 2	Yes	1.74 (0.95, 3.17)
Class 3	Yes	0.58 (0.13, 2.47)
P-interaction		0.1843
AIP-BMI control level		
Class 1	No	Ref.
Class 2	No	1.17 (0.94, 1.45)
Class 3	No	1.52 (1.15, 2.00)
Class 1	Yes	1.07 (0.54, 2.10)
Class 2	Yes	1.39 (0.70, 2.77)
Class 3	Yes	0.68 (0.16, 2.96)
P-interaction		0.4381
AIP-WC control level		
Class 1	No	Ref.
Class 2	No	1.18 (0.95, 1.46)
Class 3	No	1.47 (1.11, 1.94)
Class 1	Yes	0.94 (0.46, 1.92)
Class 2	Yes	1.58 (0.81, 3.08)
Class 3	Yes	0.65 (0.15, 2.80)
P-interaction		0.3305
AIP-WHtR control level		
Class 1	No	Ref.
Class 2	No	1.20 (0.97, 1.49)
Class 3	No	1.39 (1.05, 1.83)
Class 1	Yes	0.96 (0.47, 1.96)
Class 2	Yes	1.54 (0.79, 3.00)
Class 3	Yes	0.65 (0.15, 2.81)
P-interaction		0.4087
AIP-BRI control level		
Class 1	No	Ref.
Class 2	No	1.22 (0.99, 1.50)
Class 3	No	1.45 (1.08, 1.94)
Class 1	Yes	1.04 (0.56, 1.93)
Class 2	Yes	1.21 (0.54, 2.71)
Class 3	Yes	1.21 (0.35, 4.18)
P-interaction		0.9526
AIP-CVAI control level		
Class 1	No	Ref.
Class 2	No	1.17 (0.95, 1.45)
Class 3	No	1.55 (1.14, 2.11)
Class 1	Yes	1.07 (0.59, 1.93)
Class 2	Yes	1.26 (0.56, 2.86)
Class 3	Yes	0.85 (0.19, 3.75)
P-interaction		0.6777

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S12: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in diabetes subgroups.

	Diabetes	OR (95% CI)
AIP control level		
Class 1	No	Ref.
Class 2	No	1.19 (0.95, 1.49)
Class 3	No	1.18 (0.88, 1.59)
Class 1	Yes	0.47 (0.23, 0.97)
Class 2	Yes	1.09 (0.70, 1.69)
Class 3	Yes	1.57 (1.00, 2.47)
P-interaction		0.0340
AIP-BMI control level		
Class 1	No	Ref.
Class 2	No	1.15 (0.93, 1.44)
Class 3	No	1.22 (0.90, 1.66)
Class 1	Yes	0.58 (0.31, 1.06)
Class 2	Yes	0.91 (0.58, 1.42)
Class 3	Yes	1.92 (1.22, 3.03)
P-interaction		0.0164
AIP-WC control level		
Class 1	No	Ref.
Class 2	No	1.17 (0.94, 1.46)
Class 3	No	1.22 (0.90, 1.67)
Class 1	Yes	0.62 (0.34, 1.13)
Class 2	Yes	0.97 (0.63, 1.51)
Class 3	Yes	1.77 (1.11, 2.82)
P-interaction		0.0488
AIP-WHtR control level		
Class 1	No	Ref.
Class 2	No	1.18 (0.94, 1.46)
Class 3	No	1.14 (0.84, 1.55)
Class 1	Yes	0.55 (0.29, 1.04)
Class 2	Yes	1.02 (0.66, 1.58)
Class 3	Yes	1.72 (1.08, 2.74)
P-interaction		0.0272
AIP-BRI control level		
Class 1	No	Ref.
Class 2	No	1.16 (0.93, 1.44)
Class 3	No	1.11 (0.79, 1.56)
Class 1	Yes	0.52 (0.29, 0.91)
Class 2	Yes	1.05 (0.67, 1.62)
Class 3	Yes	1.95 (1.22, 3.14)
P-interaction		0.0037
AIP-CVAI control level		
Class 1	No	Ref.
Class 2	No	1.11 (0.89, 1.38)
Class 3	No	1.16 (0.80, 1.67)
Class 1	Yes	0.53 (0.31, 0.91)
Class 2	Yes	1.06 (0.69, 1.64)
Class 3	Yes	2.02 (1.23, 3.31)
P-interaction		0.0058

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S13: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in drinking status subgroups.

	Drinking status	OR (95% CI)
AIP control level		
Class 1	No	Ref.
Class 2	No	1.20 (0.92, 1.57)
Class 3	No	1.27 (0.92, 1.76)
Class 1	Yes	0.99 (0.69, 1.41)
Class 2	Yes	1.31 (0.94, 1.84)
Class 3	Yes	1.57 (1.02, 2.43)
P-interaction		0.7222
AIP-BMI control level		
Class 1	No	Ref.
Class 2	No	1.10 (0.85, 1.42)
Class 3	No	1.40 (1.01, 1.93)
Class 1	Yes	0.97 (0.70, 1.34)
Class 2	Yes	1.29 (0.93, 1.80)
Class 3	Yes	1.59 (1.01, 2.50)
P-interaction		0.6563
AIP-WC control level		
Class 1	No	Ref.
Class 2	No	1.18 (0.91, 1.52)
Class 3	No	1.39 (1.00, 1.93)
Class 1	Yes	1.04 (0.75, 1.45)
Class 2	Yes	1.28 (0.91, 1.78)
Class 3	Yes	1.61 (1.02, 2.52)
P-interaction		0.9354
AIP-WHtR control level		
Class 1	No	Ref.
Class 2	No	1.12 (0.87, 1.45)
Class 3	No	1.36 (0.99, 1.88)
Class 1	Yes	0.98 (0.70, 1.37)
Class 2	Yes	1.38 (1.00, 1.92)
Class 3	Yes	1.27 (0.79, 2.05)
P-interaction		0.4698
AIP-BRI control level		
Class 1	No	Ref.
Class 2	No	1.17 (0.91, 1.50)
Class 3	No	1.42 (1.02, 1.99)
Class 1	Yes	1.03 (0.76, 1.38)
Class 2	Yes	1.36 (0.98, 1.90)
Class 3	Yes	1.47 (0.85, 2.53)
P-interaction		0.8278
AIP-CVAI control level		
Class 1	No	Ref.
Class 2	No	1.10 (0.86, 1.40)
Class 3	No	1.76 (1.23, 2.50)
Class 1	Yes	1.05 (0.79, 1.40)
Class 2	Yes	1.45 (1.04, 2.03)
Class 3	Yes	1.10 (0.62, 1.93)
P-interaction		0.0886

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S14: Association between AIP and its obesity-related derivatives control levels and cardiovascular disease in smoking status subgroups.

	Smoking status	OR (95% CI)
AIP control level		
Class 1	No	Ref.
Class 2	No	1.22 (0.94, 1.58)
Class 3	No	1.29 (0.94, 1.77)
Class 1	Yes	0.99 (0.67, 1.45)
Class 2	Yes	1.29 (0.91, 1.84)
Class 3	Yes	1.55 (0.99, 2.43)
P-interaction		0.7991
AIP-BMI control level		
Class 1	No	Ref.
Class 2	No	1.12 (0.88, 1.44)
Class 3	No	1.36 (1.00, 1.86)
Class 1	Yes	0.96 (0.67, 1.36)
Class 2	Yes	1.24 (0.87, 1.76)
Class 3	Yes	1.75 (1.08, 2.84)
P-interaction		0.5874
AIP-WC control level		
Class 1	No	Ref.
Class 2	No	1.15 (0.90, 1.48)
Class 3	No	1.31 (0.95, 1.80)
Class 1	Yes	0.96 (0.67, 1.37)
Class 2	Yes	1.24 (0.87, 1.76)
Class 3	Yes	1.74 (1.09, 2.79)
P-interaction		0.5325
AIP-WHtR control level		
Class 1	No	Ref.
Class 2	No	1.13 (0.88, 1.45)
Class 3	No	1.31 (0.95, 1.79)
Class 1	Yes	0.95 (0.66, 1.36)
Class 2	Yes	1.34 (0.95, 1.89)
Class 3	Yes	1.39 (0.84, 2.31)
P-interaction		0.6148
AIP-BRI control level		
Class 1	No	Ref.
Class 2	No	1.21 (0.95, 1.54)
Class 3	No	1.33 (0.96, 1.85)
Class 1	Yes	1.03 (0.75, 1.42)
Class 2	Yes	1.25 (0.87, 1.81)
Class 3	Yes	1.93 (1.10, 3.39)
P-interaction		0.5757
AIP-CVAI control level		
Class 1	No	Ref.
Class 2	No	1.14 (0.90, 1.45)
Class 3	No	1.50 (1.06, 2.14)
Class 1	Yes	1.03 (0.75, 1.41)
Class 2	Yes	1.31 (0.91, 1.90)
Class 3	Yes	1.55 (0.89, 2.72)
P-interaction		0.8739

Abbreviations: OR: Odds ratios; CI: confidence interval; other abbreviations as in Table 1.

Note: Models adjusted for the same covariates as in model III (Table 2), except for the stratification variable.

Table S15 (Sensitivity analysis I): The association between AIP and its obesity-related derivatives and CVD (excluding patients diagnosed with CVD in the fourth wave of the survey).

	OR (95% CI)
Cumulative AIP (Per SD increase)	1.12 (0.98, 1.28)
Cumulative AIP-BMI (Per SD increase)	1.15 (1.01, 1.31)
Cumulative AIP-WC (Per SD increase)	1.14 (1.00, 1.30)
Cumulative AIP-WHtR (Per SD increase)	1.14 (1.00, 1.30)
Cumulative AIP-BRI (Per SD increase)	1.15 (1.02, 1.31)
Cumulative AIP-CVAI (Per SD increase)	1.13 (1.00, 1.28)
Cumulative AIP tertile groups	
T1	1.0
T2	1.21 (0.88, 1.67)
T3	1.31 (0.95, 1.80)
Cumulative AIP-BMI tertile groups	
T1	1.0
T2	1.21 (0.88, 1.67)
T3	1.39 (1.01, 1.92)
Cumulative AIP-WC tertile groups	
T1	1.0
T2	1.27 (0.92, 1.75)
T3	1.40 (1.01, 1.94)
Cumulative AIP-WHtR tertile groups	
T1	1.0
T2	1.11 (0.80, 1.53)
T3	1.36 (0.99, 1.86)
Cumulative AIP-BRI tertile groups	
T1	1.0
T2	1.22 (0.88, 1.69)
T3	1.39 (1.01, 1.93)
Cumulative AIP-CVAI tertile groups	
T1	1.0
T2	1.16 (0.84, 1.60)
T3	1.38 (1.00, 1.90)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; other abbreviations as in Table 1.

Adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP.

Table S16 (Sensitivity analysis II): The association between AIP and its obesity-related derivatives and CVD (excluding participants with comorbid hypertension, kidney disease, or diabetes).

	OR (95% CI)
Cumulative AIP (Per SD increase)	1.13 (0.96, 1.32)
Cumulative AIP-BMI (Per SD increase)	1.17 (1.00, 1.38)
Cumulative AIP-WC (Per SD increase)	1.17 (1.00, 1.37)
Cumulative AIP-WHtR (Per SD increase)	1.16 (1.00, 1.36)
Cumulative AIP-BRI (Per SD increase)	1.19 (1.01, 1.40)
Cumulative AIP-CVAI (Per SD increase)	1.21 (1.02, 1.42)
Cumulative AIP tertile groups	
T1	1.0
T2	1.13 (0.80, 1.60)
T3	1.27 (0.88, 1.82)
Cumulative AIP-BMI tertile groups	
T1	1.0
T2	1.25 (0.88, 1.77)
T3	1.43 (0.99, 2.08)
Cumulative AIP-WC tertile groups	
T1	1.0
T2	1.25 (0.89, 1.78)
T3	1.40 (0.96, 2.02)
Cumulative AIP-WHtR tertile groups	
T1	1.0
T2	1.11 (0.78, 1.57)
T3	1.40 (0.97, 2.02)
Cumulative AIP-BRI tertile groups	
T1	1.0
T2	1.23 (0.86, 1.74)
T3	1.62 (1.12, 2.35)
Cumulative AIP-CVAI tertile groups	
T1	1.0
T2	1.27 (0.89, 1.79)
T3	1.55 (1.07, 2.25)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; other abbreviations as in Table 1.

Adjust for age, sex, education, place of residence, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP.

Table S17 (Sensitivity analysis III): The association between AIP and its obesity-related derivatives and CVD was analyzed in the complete dataset after multiple imputation.

	OR (95% CI)
Cumulative AIP (Per SD increase)	1.17 (1.07, 1.29)
Cumulative AIP-BMI (Per SD increase)	1.21 (1.10, 1.33)
Cumulative AIP-WC (Per SD increase)	1.21 (1.10, 1.32)
Cumulative AIP-WHtR (Per SD increase)	1.20 (1.10, 1.32)
Cumulative AIP-BRI (Per SD increase)	1.23 (1.12, 1.34)
Cumulative AIP-CVAI (Per SD increase)	1.21 (1.11, 1.33)
Cumulative AIP tertile groups	
T1	1.0
T2	1.37 (1.09, 1.74)
T3	1.47 (1.16, 1.85)
Cumulative AIP-BMI tertile groups	
T1	1.0
T2	1.42 (1.13, 1.80)
T3	1.57 (1.24, 1.99)
Cumulative AIP-WC tertile groups	
T1	1.0
T2	1.42 (1.13, 1.80)
T3	1.57 (1.24, 1.99)
Cumulative AIP-WHtR tertile groups	
T1	1.0
T2	1.35 (1.07, 1.71)
T3	1.57 (1.25, 1.99)
Cumulative AIP-BRI tertile groups	
T1	1.0
T2	1.37 (1.08, 1.74)
T3	1.59 (1.26, 2.01)
Cumulative AIP-CVAI tertile groups	
T1	1.0
T2	1.36 (1.07, 1.73)
T3	1.60 (1.27, 2.03)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; other abbreviations as in Table 1.

Adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP.

Table S18 (Sensitivity analysis IV): The association between AIP and its obesity-related derivatives and CVD (Further adjusted for medication use on the basis of Model III).

	OR (95% CI)
Cumulative AIP (Per SD increase)	1.11 (1.00, 1.22)
Cumulative AIP-BMI (Per SD increase)	1.13 (1.03, 1.25)
Cumulative AIP-WC (Per SD increase)	1.13 (1.02, 1.25)
Cumulative AIP-WHtR (Per SD increase)	1.13 (1.02, 1.24)
Cumulative AIP-BRI (Per SD increase)	1.15 (1.04, 1.26)
Cumulative AIP-CVAI (Per SD increase)	1.14 (1.03, 1.25)
Cumulative AIP tertile groups	
T1	1.0
T2	1.27 (1.00, 1.61)
T3	1.27 (1.00, 1.62)
Cumulative AIP-BMI tertile groups	
T1	1.0
T2	1.34 (1.05, 1.70)
T3	1.34 (1.05, 1.71)
Cumulative AIP-WC tertile groups	
T1	1.0
T2	1.33 (1.05, 1.68)
T3	1.35 (1.06, 1.72)
Cumulative AIP-WHtR tertile groups	
T1	1.0
T2	1.26 (0.99, 1.60)
T3	1.35 (1.06, 1.72)
Cumulative AIP-BRI tertile groups	
T1	1.0
T2	1.28 (1.01, 1.63)
T3	1.32 (1.03, 1.70)
Cumulative AIP-CVAI tertile groups	
T1	1.0
T2	1.27 (1.00, 1.62)
T3	1.33 (1.04, 1.70)

Abbreviations: OR: Odds ratios; CI: confidence interval; SD: standard deviations; other abbreviations as in Table 1.

Adjust for age, sex, education, place of residence, kidney disease, hypertension, diabetes, smoking status, drinking status, LDL-C, HbA1c, Cr, hs-CRP, lipid-lowering, glucose-lowering, and antihypertensive medications.

Table S19 (Sensitivity analysis V): Analysis of the association between AIP and its obesity-related derivatives and CVD using a competing risk model.

	SHR	P value
CVD		
Cumulative AIP (Per SD increase)	1.08 (0.99, 1.17)	0.0897
Cumulative AIP-BMI (Per SD increase)	1.09 (1.00, 1.18)	0.0491
Cumulative AIP-WC (Per SD increase)	1.09 (1.00, 1.18)	0.0412
Cumulative AIP-WHtR (Per SD increase)	1.09 (1.00, 1.18)	0.0395
Cumulative AIP-BRI (Per SD increase)	1.10 (1.02, 1.19)	0.0155
Cumulative AIP-CVAI (Per SD increase)	1.10 (1.02, 1.19)	0.0139

Abbreviations: SHR: subdistribution hazard ratios; CI: confidence interval; NFG: normal fasting glucose; other abbreviations as in Table 1.